

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080922\  
 Data File : VY009945.D  
 Acq On : 10 Aug 2022 02:53  
 Operator : KP/MD  
 Sample : N4017-08  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB05

Quant Time: Aug 10 08:13:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080822S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 08 17:55:50 2022  
 Response via : Initial Calibration

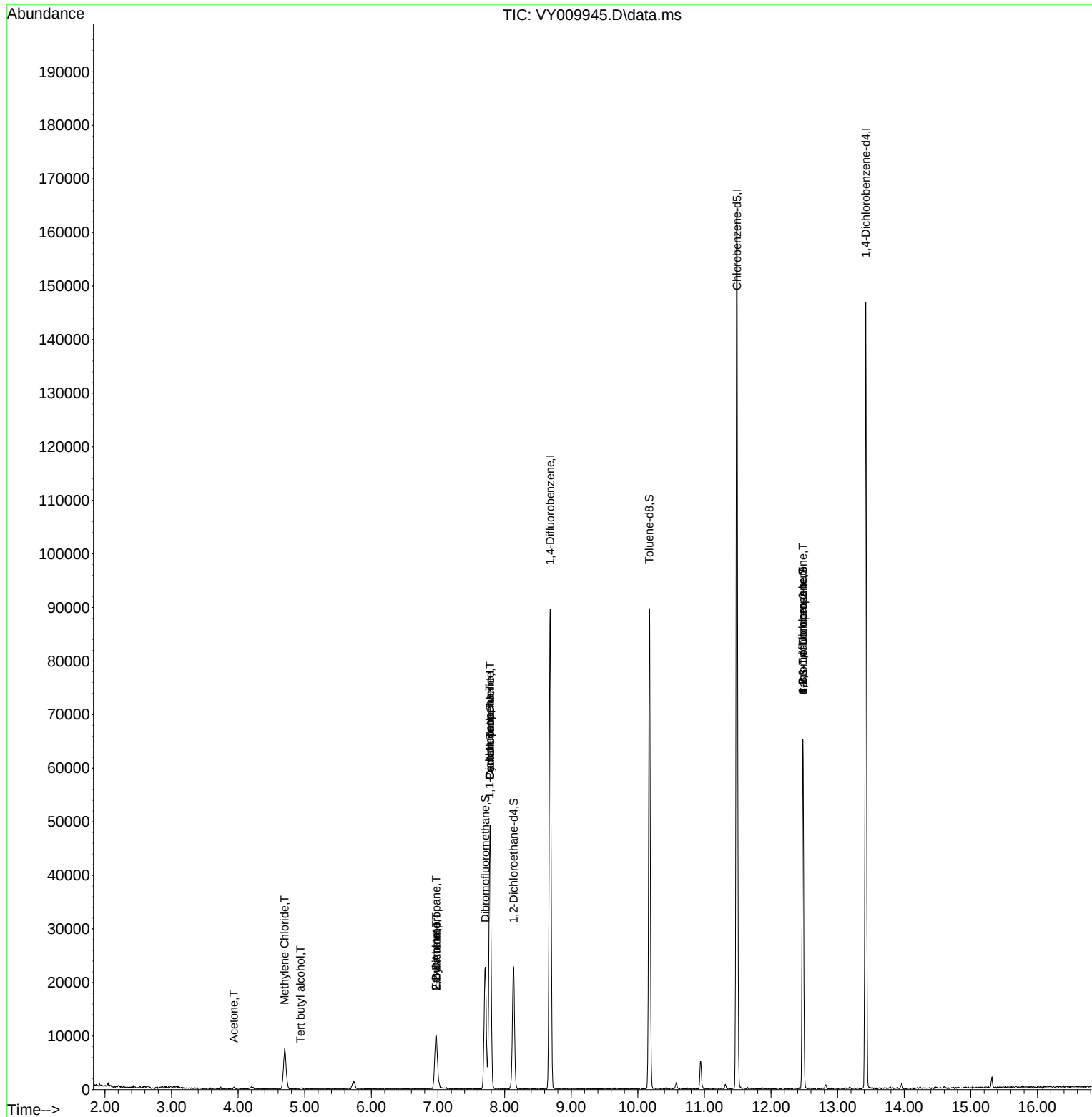
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.783          | 168  | 36716               | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 76691               | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 88634               | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 35522               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136          | 65   | 16899               | 59.935    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 119.880% |           |        |          |
| 35) Dibromofluoromethane      | 7.710          | 113  | 16143               | 38.776    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 77.560%  |           |        |          |
| 50) Toluene-d8                | 10.173         | 98   | 57889               | 45.268    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 90.540%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 19319               | 33.235    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 66.460%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.936          | 59   | 146                 | 3.507     | ug/l # | 78       |
| 16) Acetone                   | 3.936          | 43   | 322                 | 3.109     | ug/l # | 45       |
| 18) Methyl Acetate            | 4.454          | 43   | 60                  | Below Cal | #      | 52       |
| 20) Methylene Chloride        | 4.698          | 84   | 5337                | 2.523     | ug/l # | 82       |
| 25) 2-Butanone                | 6.972          | 43   | 525                 | 3.078     | ug/l # | 48       |
| 26) 2,2-Dichloropropane       | 6.972          | 77   | 733                 | 1.143     | ug/l # | 52       |
| 31) Cyclohexane               | 7.783          | 56   | 841                 | 1.180     | ug/l # | 13       |
| 36) 1,1-Dichloropropene       | 7.777          | 75   | 3194                | 4.547     | ug/l # | 46       |
| 37) Ethyl Acetate             | 6.972          | 43   | 525                 | 1.126     | ug/l # | 1        |
| 38) Carbon Tetrachloride      | 7.783          | 117  | 3892                | 5.582     | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 9977                | 25.671    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 9977                | 51.901    | ug/l # | 13       |
| -----                         |                |      |                     |           |        |          |

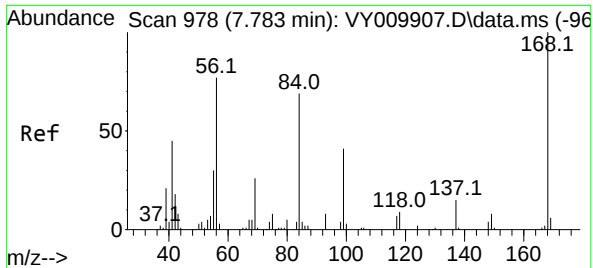
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080922\  
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Quant Title : SW846 8260  
QLast Update : Mon Aug 08 17:55:50 2022  
Response via : Initial Calibration

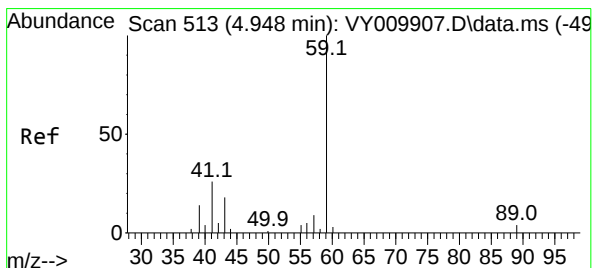
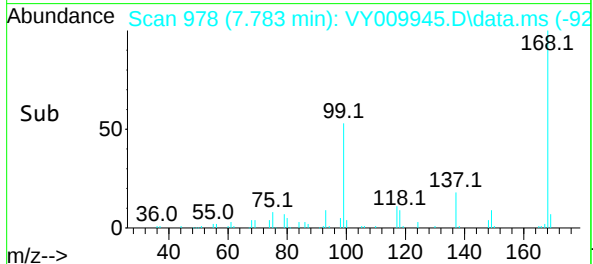
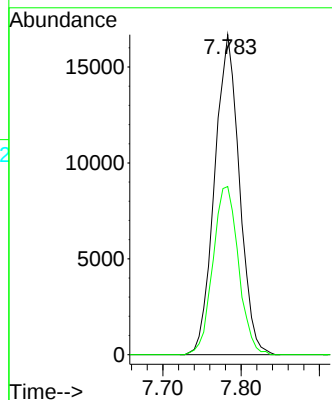
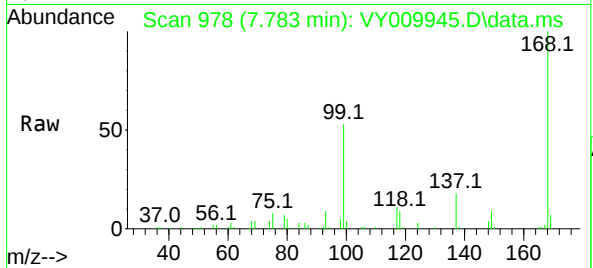




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VY009945.D  
Acq: 10 Aug 2022 02:53

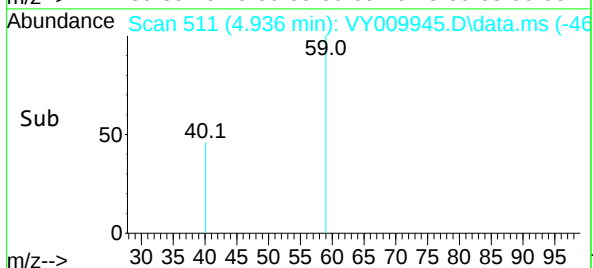
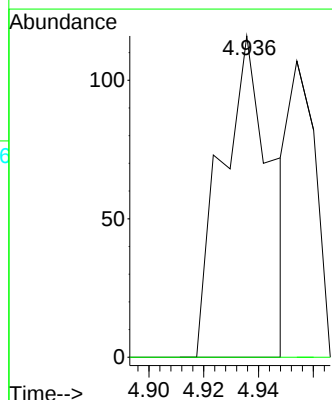
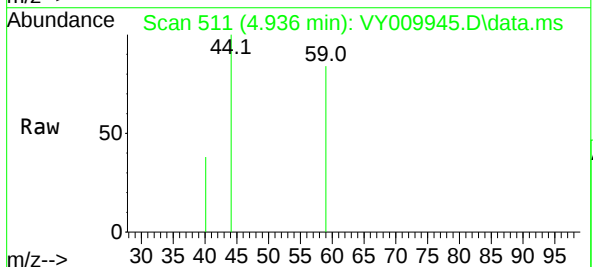
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB05

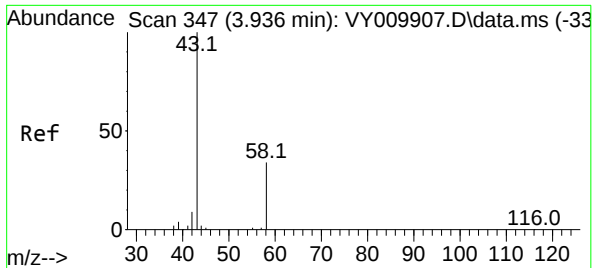
Tgt Ion:168 Resp: 36716  
Ion Ratio Lower Upper  
168 100  
99 52.5 42.1 63.1



#11  
Tert butyl alcohol  
Concen: 3.507 ug/l  
RT: 4.936 min Scan# 511  
Delta R.T. -0.012 min  
Lab File: VY009945.D  
Acq: 10 Aug 2022 02:53

Tgt Ion: 59 Resp: 146  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.3 9.5#

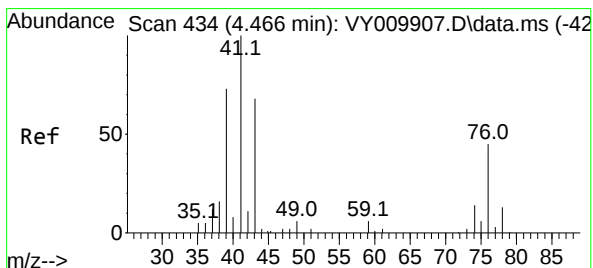
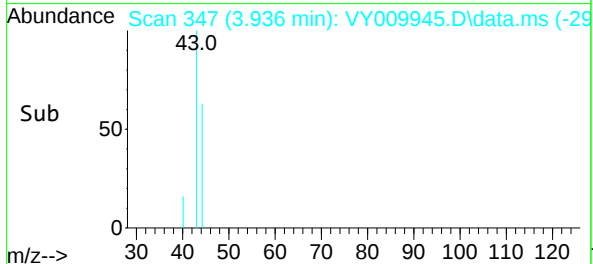
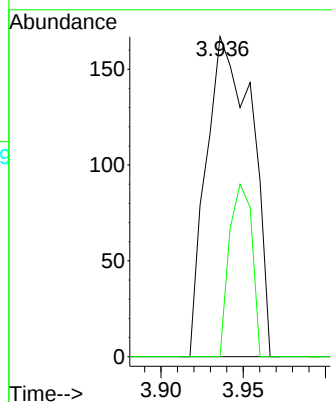
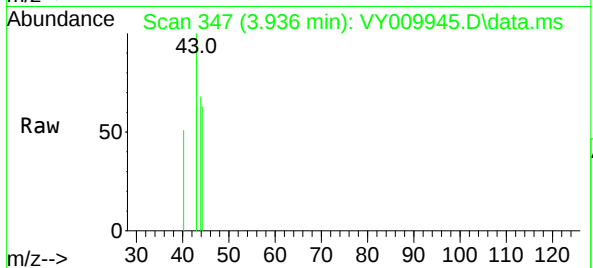




#16  
Acetone  
Concen: 3.109 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.000 min  
Lab File: VY009945.D  
Acq: 10 Aug 2022 02:53

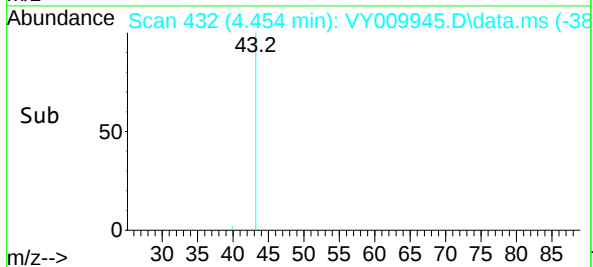
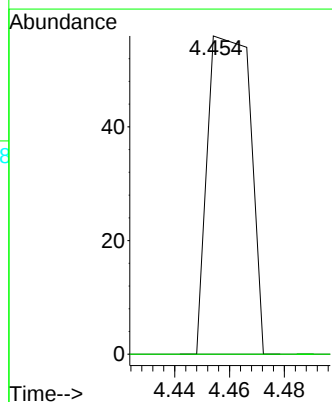
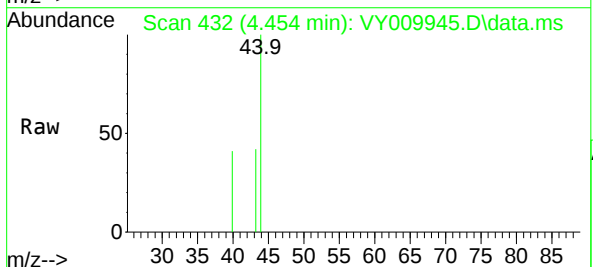
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB05

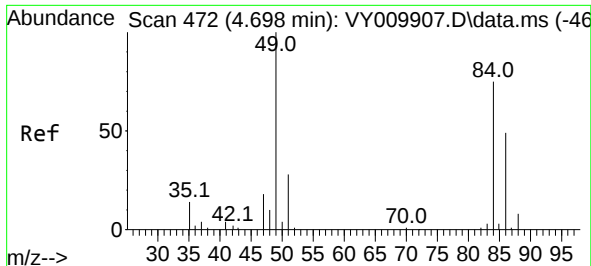
Tgt Ion: 43 Resp: 322  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.0 36.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.454 min Scan# 432  
Delta R.T. -0.012 min  
Lab File: VY009945.D  
Acq: 10 Aug 2022 02:53

Tgt Ion: 43 Resp: 60  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.8 28.2#

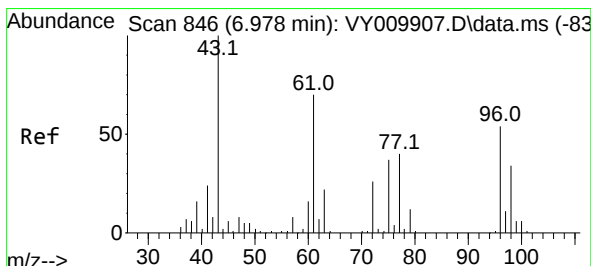
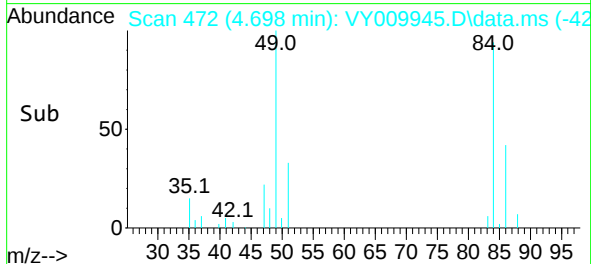
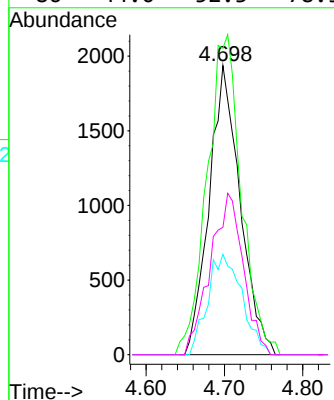
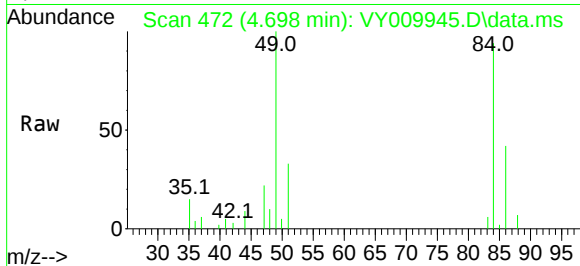




#20  
Methylene Chloride  
Concen: 2.523 ug/l  
RT: 4.698 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY009945.D  
Acq: 10 Aug 2022 02:53

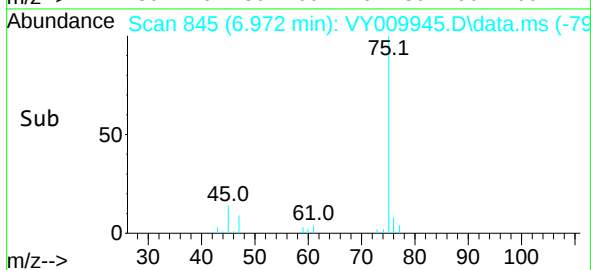
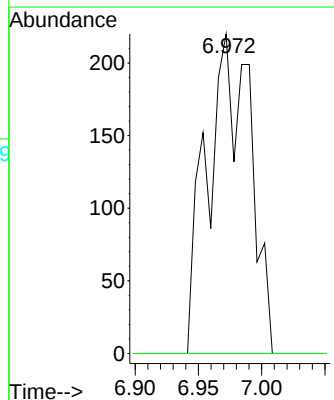
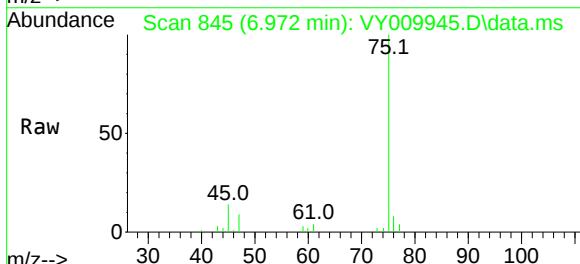
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB05

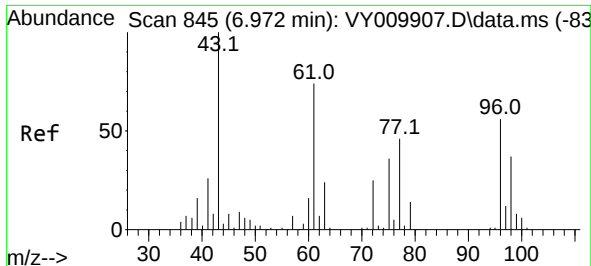
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 5337  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 106.0 | 98.2  | 147.4 |
| 51       | 34.7  | 33.4  | 50.0  |
| 86       | 44.0  | 52.3  | 78.5# |



#25  
2-Butanone  
Concen: 3.078 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.006 min  
Lab File: VY009945.D  
Acq: 10 Aug 2022 02:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 525   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 21.5  | 32.3# |





#26

2,2-Dichloropropane

Concen: 1.143 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY009945.D

Acq: 10 Aug 2022 02:53

Instrument :

MSVOA\_Y

ClientSampleId :

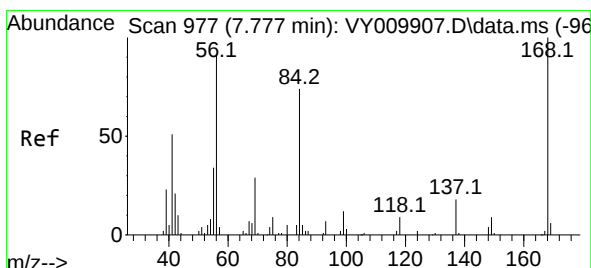
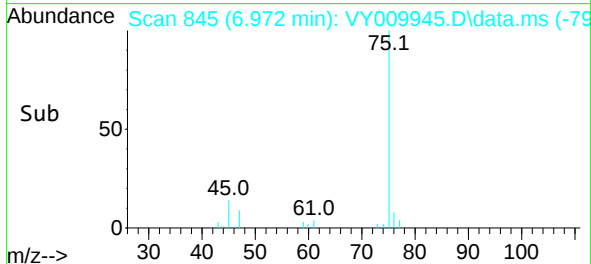
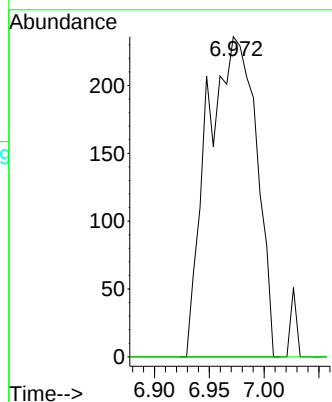
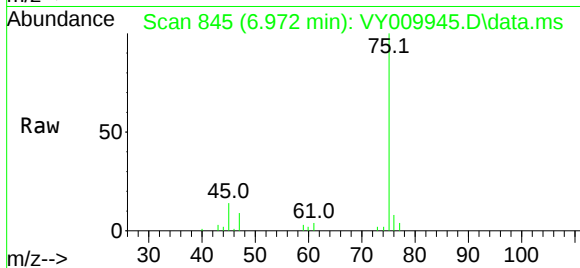
SB05

Tgt Ion: 77 Resp: 733

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



#31

Cyclohexane

Concen: 1.180 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.007 min

Lab File: VY009945.D

Acq: 10 Aug 2022 02:53

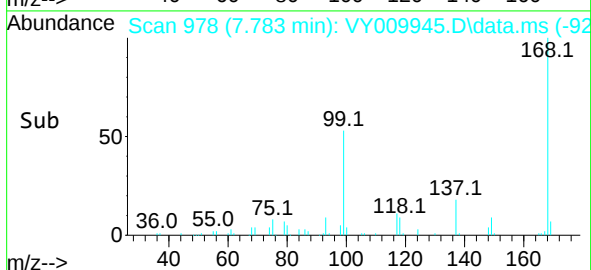
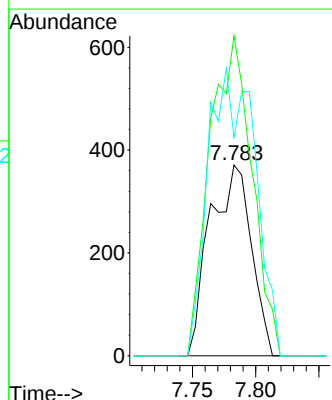
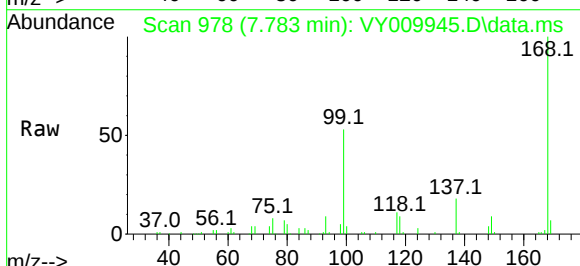
Tgt Ion: 56 Resp: 841

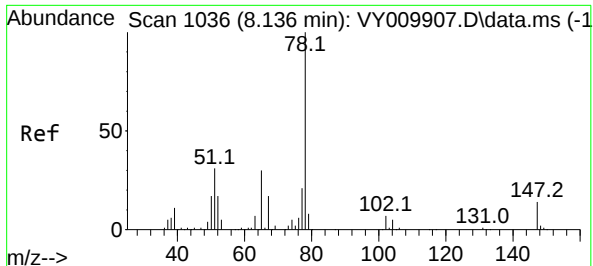
Ion Ratio Lower Upper

56 100

69 167.7 26.0 39.0#

84 114.6 69.5 104.3#





#33

1,2-Dichloroethane-d4

Concen: 59.935 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY009945.D

Acq: 10 Aug 2022 02:53

Instrument :

MSVOA\_Y

ClientSampleId :

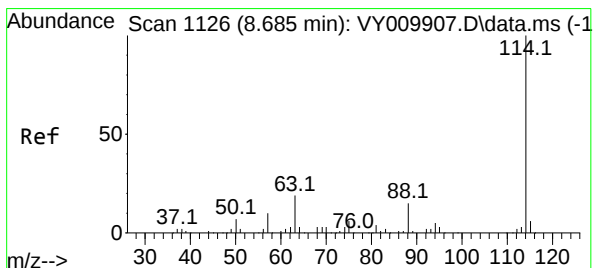
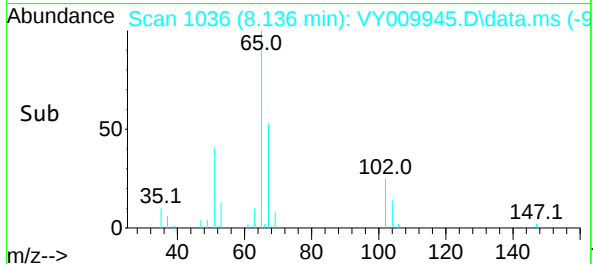
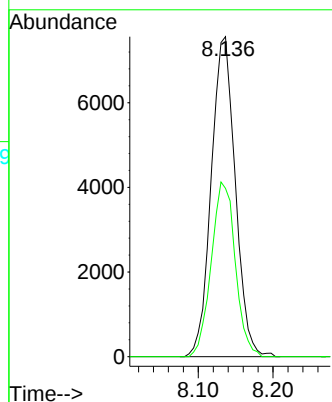
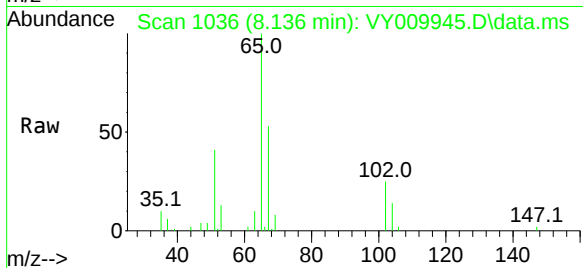
SB05

Tgt Ion: 65 Resp: 16899

Ion Ratio Lower Upper

65 100

67 54.5 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009945.D

Acq: 10 Aug 2022 02:53

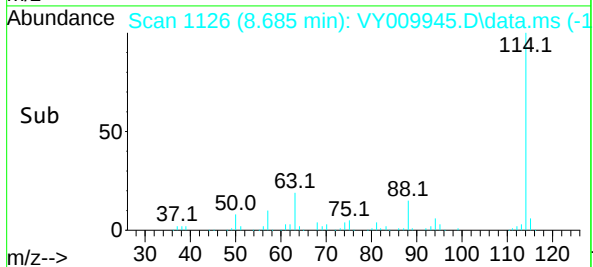
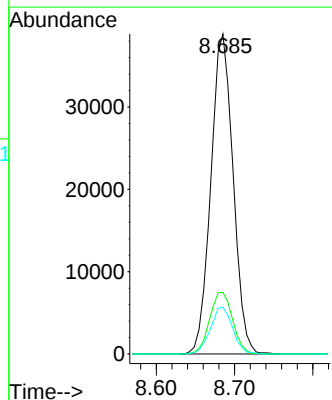
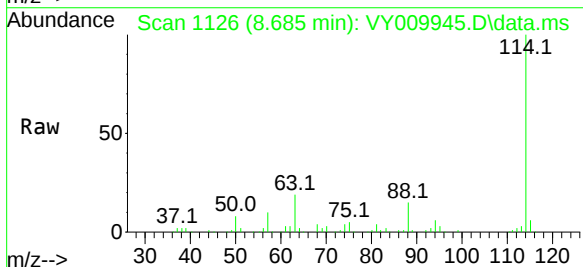
Tgt Ion: 114 Resp: 76691

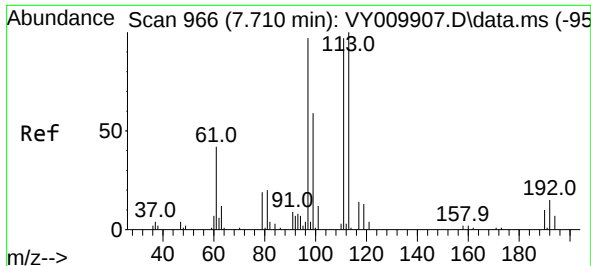
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.0

88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 38.776 ug/l

RT: 7.710 min Scan# 91

Delta R.T. 0.001 min

Lab File: VY009945.D

Acq: 10 Aug 2022 02:53

Instrument :

MSVOA\_Y

ClientSampleId :

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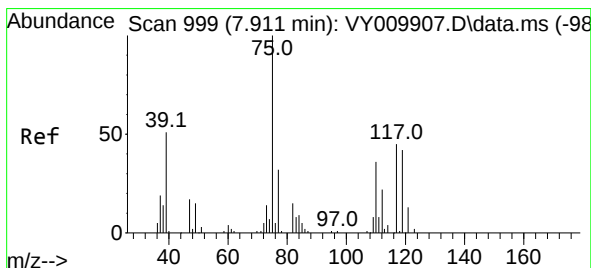
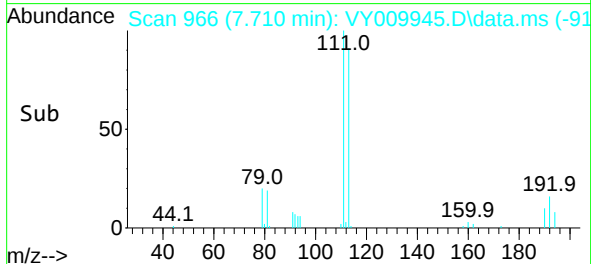
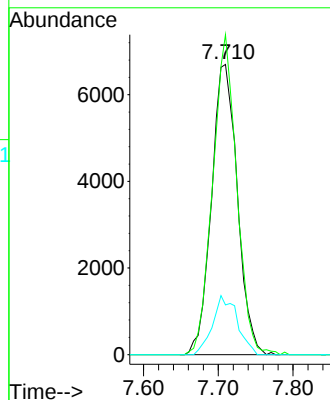
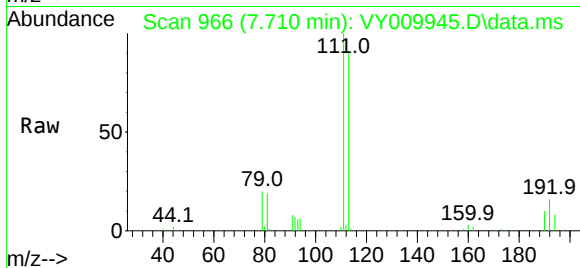
Tgt Ion:113 Resp: 16143

Ion Ratio Lower Upper

113 100

111 102.4 80.6 120.8

192 19.4 16.2 24.4



#36

1,1-Dichloropropene

Concen: 4.547 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.134 min

Lab File: VY009945.D

Acq: 10 Aug 2022 02:53

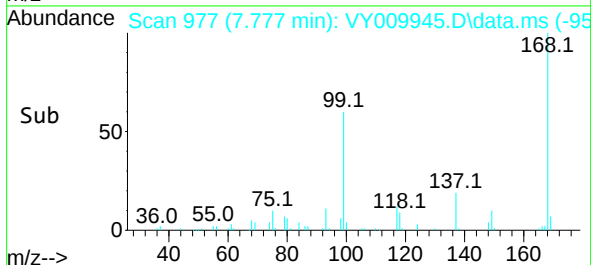
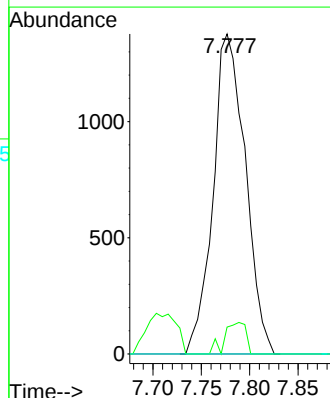
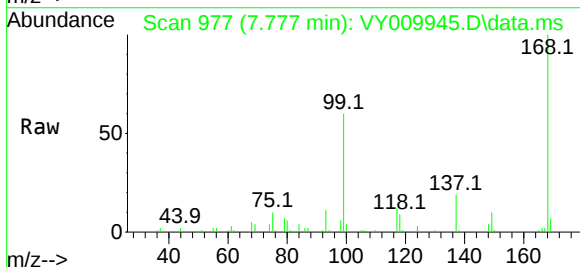
Tgt Ion: 75 Resp: 3194

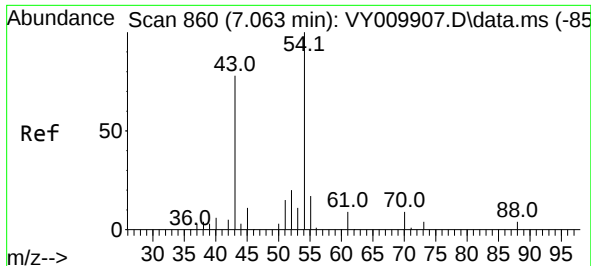
Ion Ratio Lower Upper

75 100

110 6.5 18.6 56.0#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.126 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY009945.D

Acq: 10 Aug 2022 02:53

Instrument :

MSVOA\_Y

ClientSampleId :

SB05

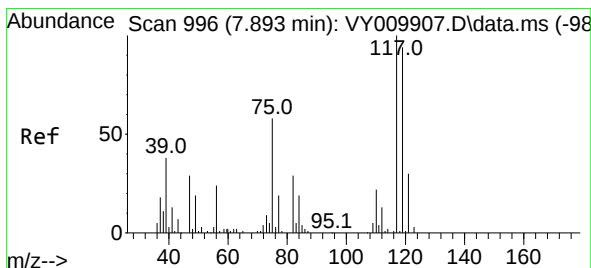
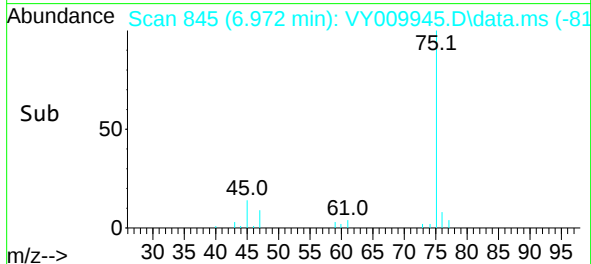
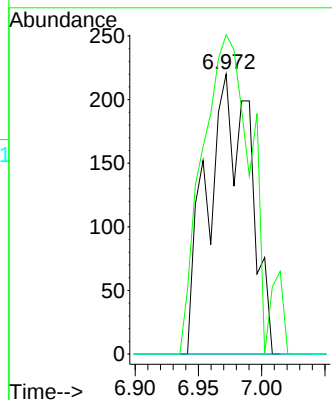
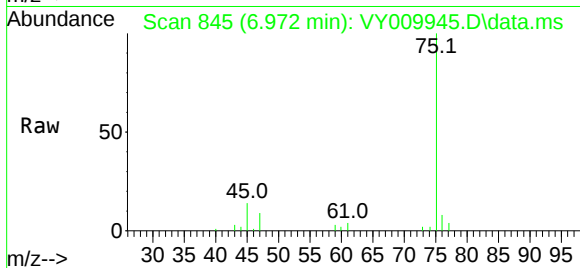
Tgt Ion: 43 Resp: 525

Ion Ratio Lower Upper

43 100

61 132.2 11.2 16.8#

70 0.0 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 5.582 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.109 min

Lab File: VY009945.D

Acq: 10 Aug 2022 02:53

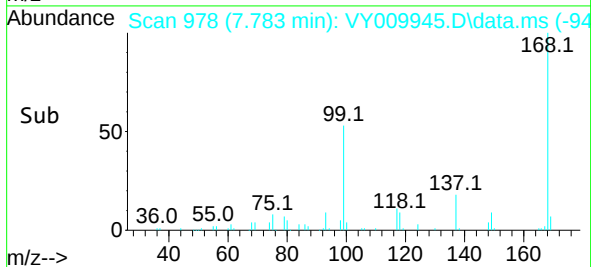
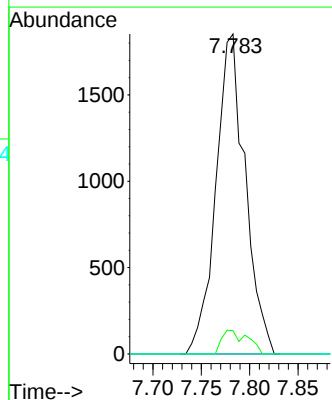
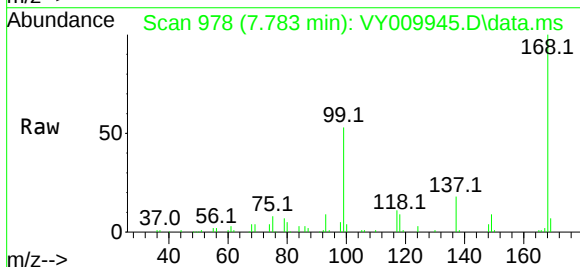
Tgt Ion: 117 Resp: 3892

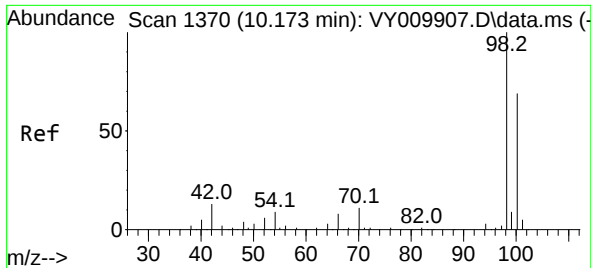
Ion Ratio Lower Upper

117 100

119 7.3 75.9 113.9#

121 0.0 24.9 37.3#

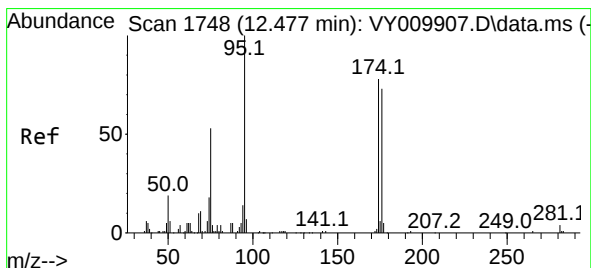
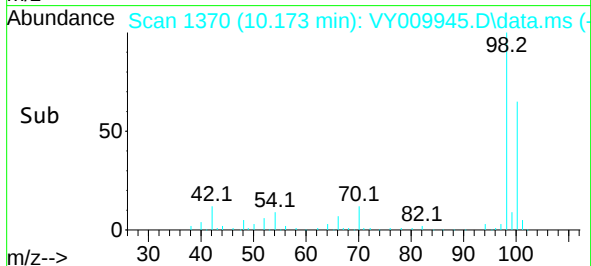
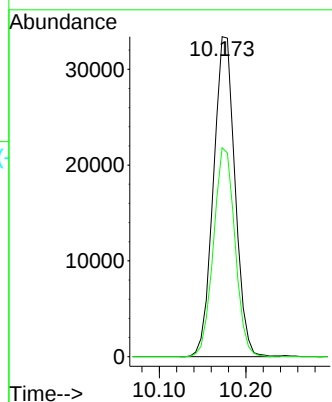
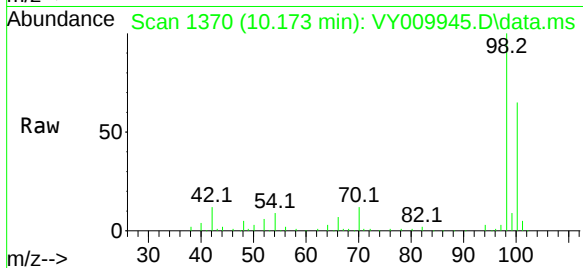




#50  
Toluene-d8  
Concen: 45.268 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY009945.D  
Acq: 10 Aug 2022 02:53

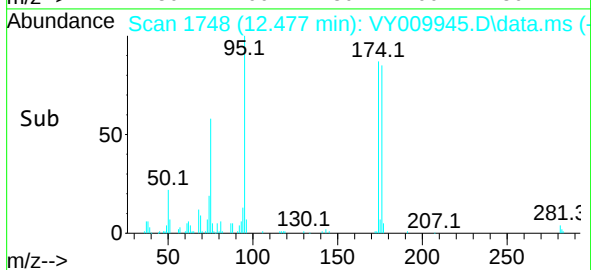
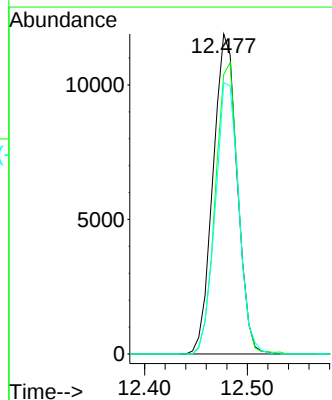
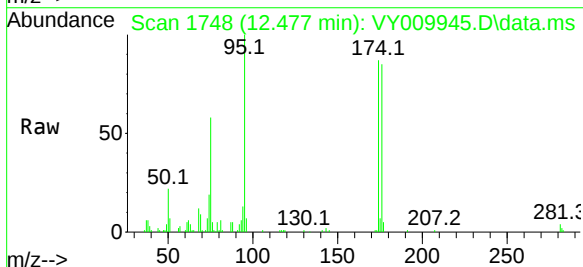
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB05

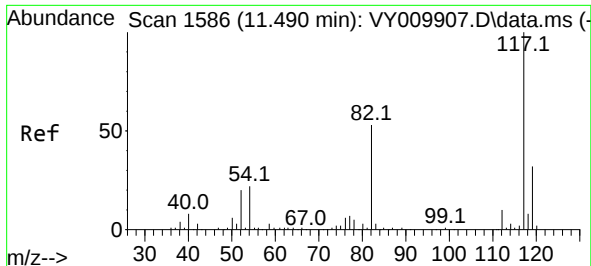
Tgt Ion: 98 Resp: 57889  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 33.235 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009945.D  
Acq: 10 Aug 2022 02:53

Tgt Ion: 95 Resp: 19319  
Ion Ratio Lower Upper  
95 100  
174 86.8 0.0 173.8  
176 82.6 0.0 167.0

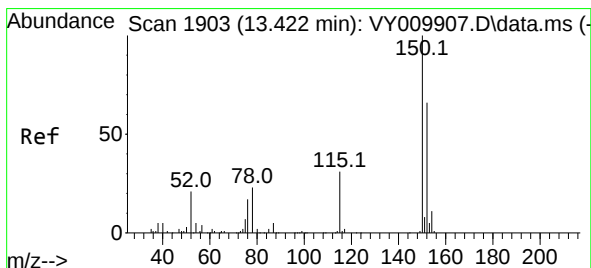
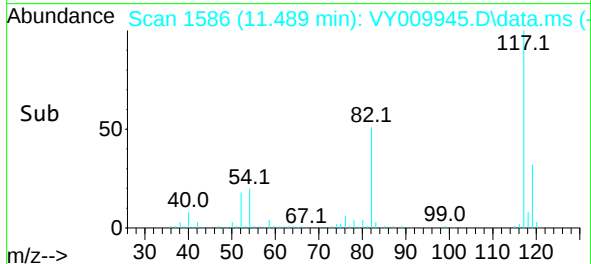
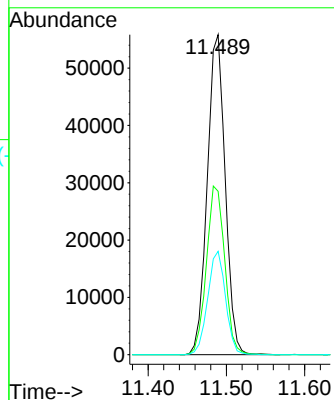
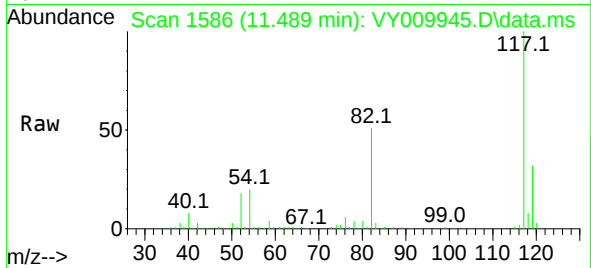




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009945.D  
Acq: 10 Aug 2022 02:53

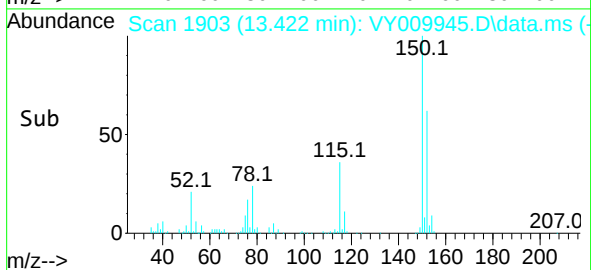
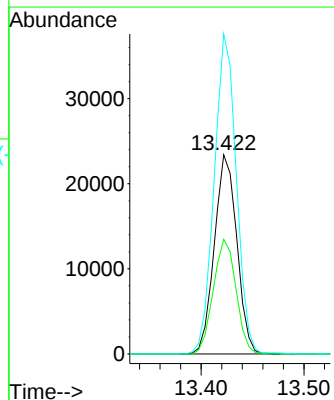
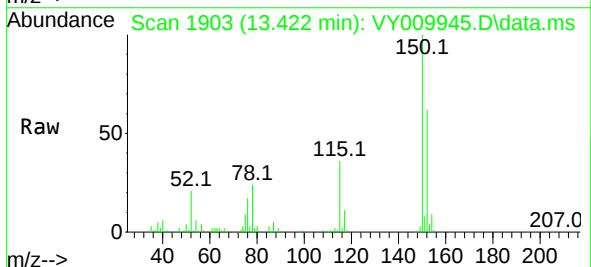
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB05

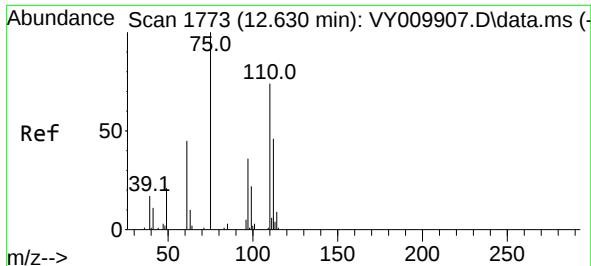
Tgt Ion:117 Resp: 88634  
Ion Ratio Lower Upper  
117 100  
82 51.0 41.8 62.6  
119 32.3 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY009945.D  
Acq: 10 Aug 2022 02:53

Tgt Ion:152 Resp: 35522  
Ion Ratio Lower Upper  
152 100  
115 58.1 28.6 85.9  
150 158.4 0.0 349.8

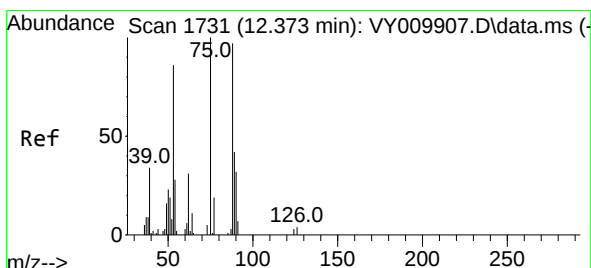
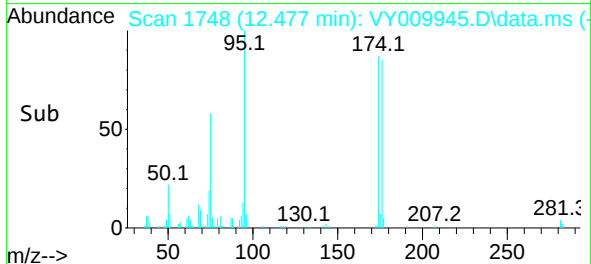
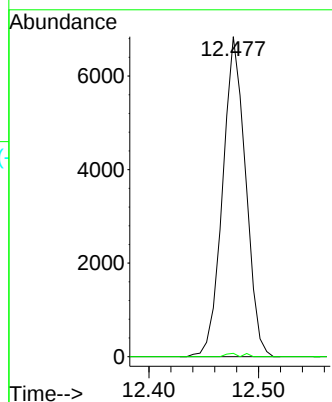
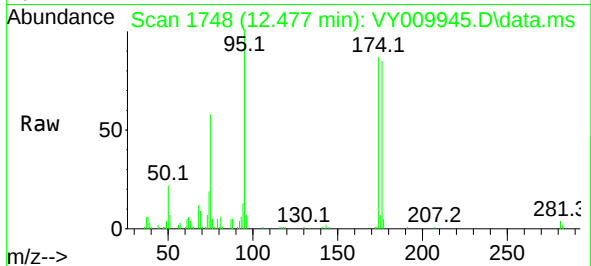




#76  
1,2,3-Trichloropropane  
Concen: 25.671 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY009945.D  
Acq: 10 Aug 2022 02:53

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB05

Tgt Ion: 75 Resp: 9977  
Ion Ratio Lower Upper  
75 100  
77 0.7 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.901 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY009945.D  
Acq: 10 Aug 2022 02:53

Tgt Ion: 75 Resp: 9977  
Ion Ratio Lower Upper  
75 100  
53 0.0 71.4 107.2#  
89 0.0 38.1 57.1#

