

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060923\  
 Data File : VY014101.D  
 Acq On : 09 Jun 2023 17:48  
 Operator : KP/MD  
 Sample : 03069-05RE  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB35BRE

Quant Time: Jun 09 18:11:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

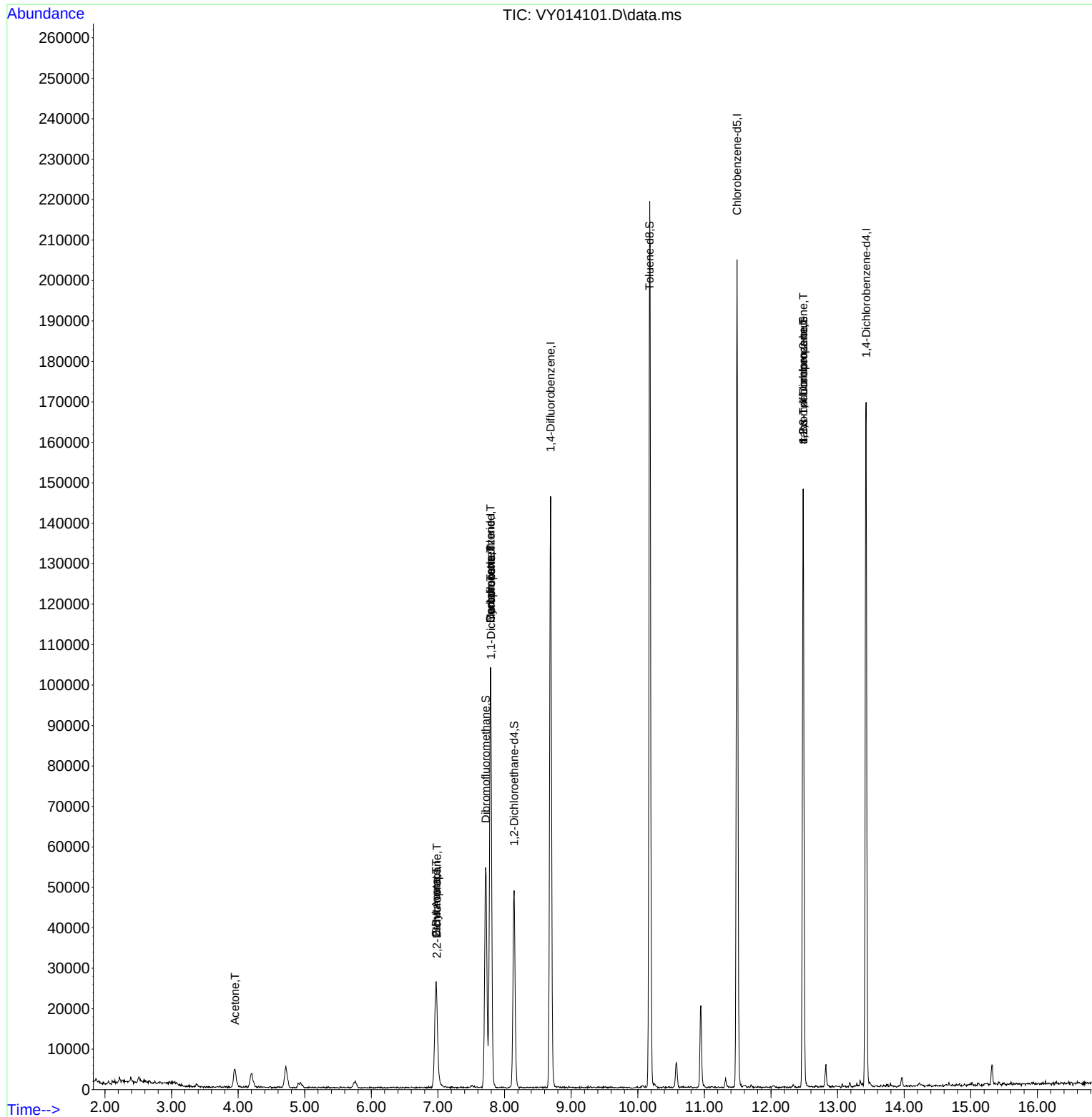
| Compound                      | R.T.           | QIon | Response   | Conc      | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|-------|----------|
| -----                         |                |      |            |           |       |          |
| Internal Standards            |                |      |            |           |       |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 79152      | 50.000    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 120910     | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.490         | 117  | 106783     | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 45681      | 50.000    | ug/l  | 0.00     |
|                               |                |      |            |           |       |          |
| System Monitoring Compounds   |                |      |            |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.143          | 65   | 40534      | 36.775    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 73.560%   |       |          |
| 35) Dibromofluoromethane      | 7.716          | 113  | 37086      | 43.251    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 86.500%   |       |          |
| 50) Toluene-d8                | 10.179         | 98   | 143934     | 44.899    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = | 89.800%   |       |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 39951      | 35.083    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = | 70.160%   |       |          |
|                               |                |      |            |           |       |          |
| Target Compounds              |                |      |            |           |       |          |
| 11) Tert butyl alcohol        | 4.936          | 59   | 1444       | Below Cal | #     | 89       |
| 13) Acrolein                  | 3.729          | 56   | 60         | Below Cal |       | 95       |
| 16) Acetone                   | 3.954          | 43   | 8832       | 26.583    | ug/l  | 93       |
| 20) Methylene Chloride        | 4.716          | 84   | 3452       | Below Cal | #     | 89       |
| 25) 2-Butanone                | 6.972          | 43   | 1240       | 3.032     | ug/l  | # 72     |
| 26) 2,2-Dichloropropane       | 6.984          | 77   | 2027       | 1.193     | ug/l  | # 54     |
| 31) Cyclohexane               | 7.789          | 56   | 1918       | 1.299     | ug/l  | # 36     |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 5937       | 4.441     | ug/l  | # 50     |
| 37) Ethyl Acetate             | 6.972          | 43   | 1240       | 1.344     | ug/l  | # 1      |
| 38) Carbon Tetrachloride      | 7.789          | 117  | 7750       | 5.024     | ug/l  | # 16     |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 22359      | 37.307    | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 22359      | 80.643    | ug/l  | # 11     |
| -----                         |                |      |            |           |       |          |

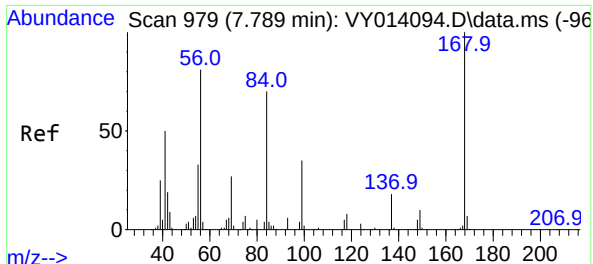
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060923\  
Data File : VY014101.D  
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Sample : 03069-05RE  
Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB35BRE

Quant Time: Jun 09 18:11:15 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 09 18:07:13 2023  
Response via : Initial Calibration

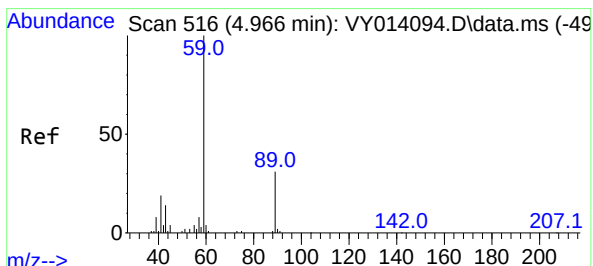
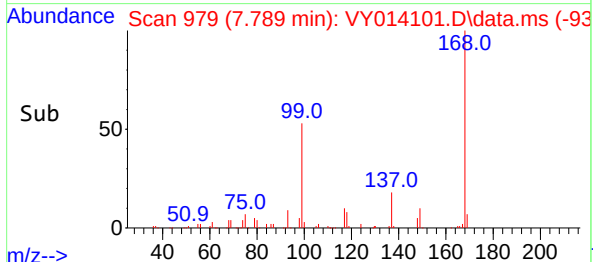
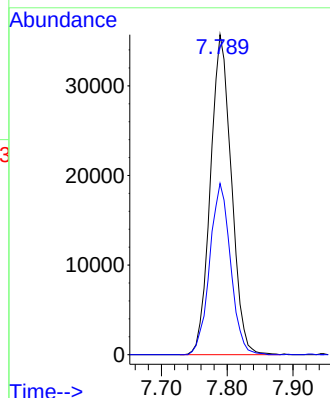
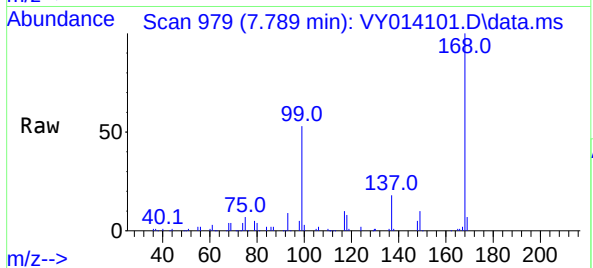




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY014101.D  
Acq: 09 Jun 2023 17:48

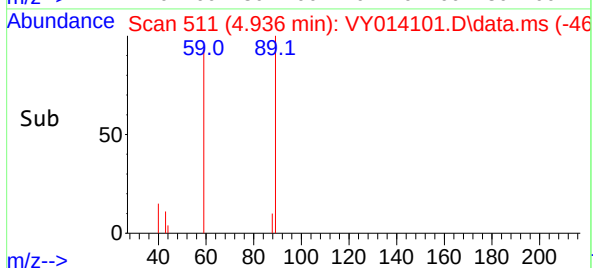
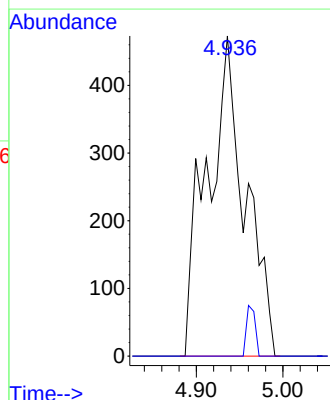
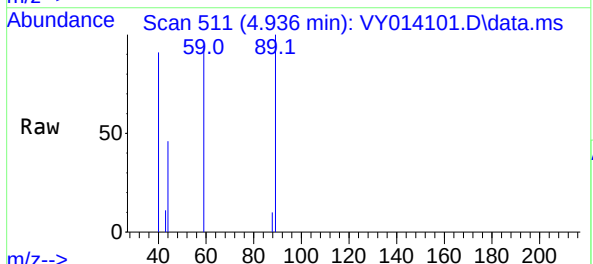
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB35BRE

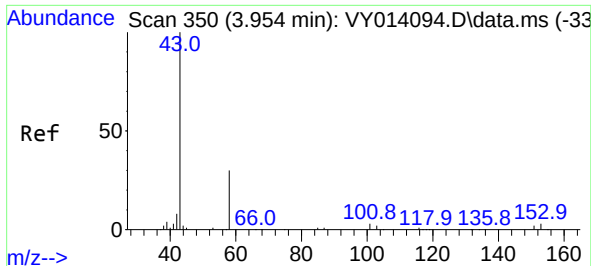
Tgt Ion:168 Resp: 79152  
Ion Ratio Lower Upper  
168 100  
99 53.5 43.4 65.0



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.030 min  
Lab File: VY014101.D  
Acq: 09 Jun 2023 17:48

Tgt Ion: 59 Resp: 1444  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#

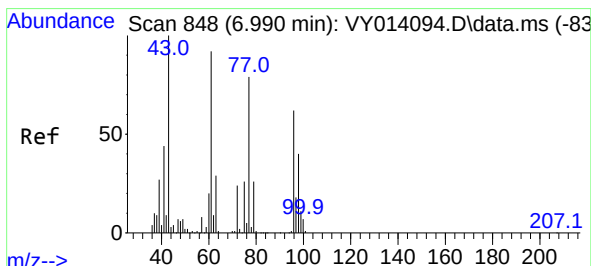
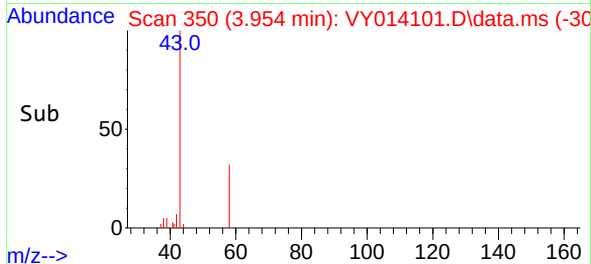
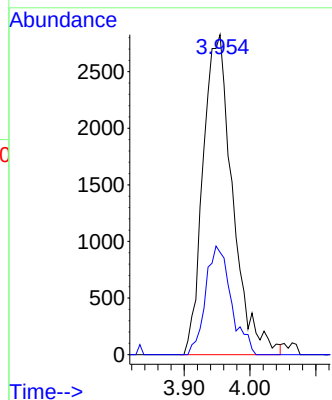
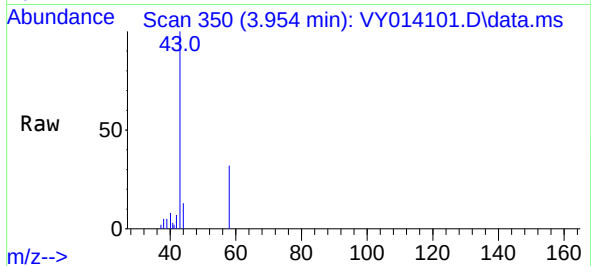




#16  
Acetone  
Concen: 26.583 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VY014101.D  
Acq: 09 Jun 2023 17:48

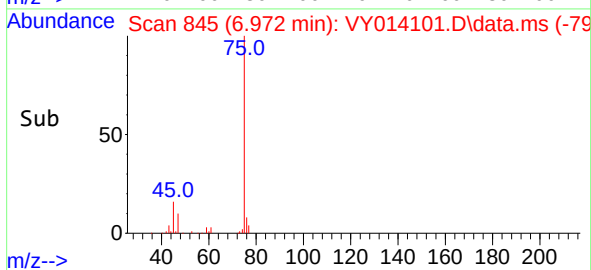
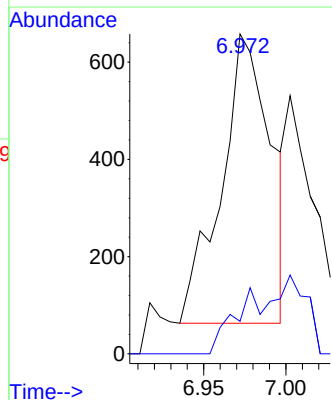
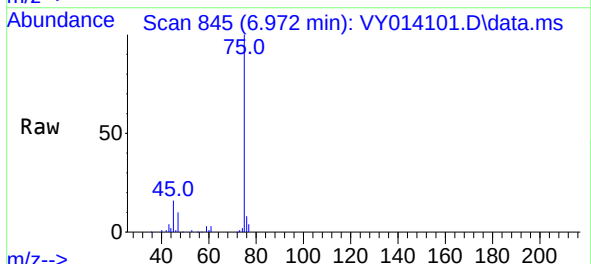
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB35BRE

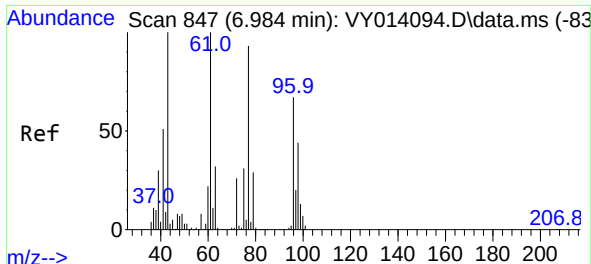
Tgt Ion: 43 Resp: 8832  
Ion Ratio Lower Upper  
43 100  
58 32.0 22.7 34.1



#25  
2-Butanone  
Concen: 3.032 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.018 min  
Lab File: VY014101.D  
Acq: 09 Jun 2023 17:48

Tgt Ion: 43 Resp: 1240  
Ion Ratio Lower Upper  
43 100  
72 11.3 20.5 30.7#

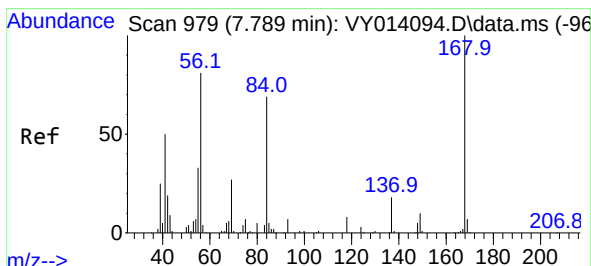
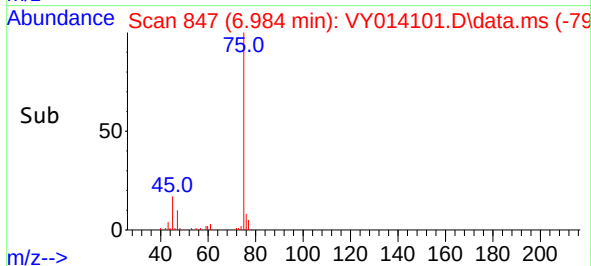
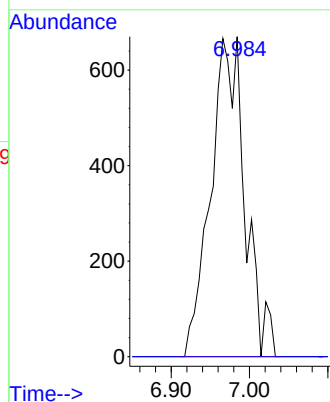
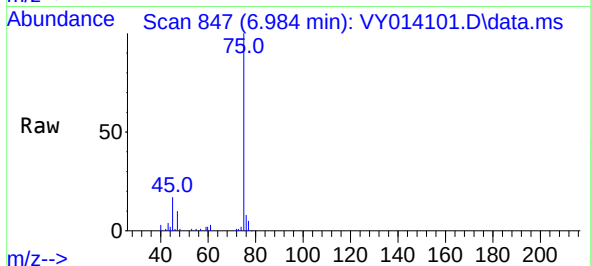




#26  
2,2-Dichloropropane  
Concen: 1.193 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY014101.D  
Acq: 09 Jun 2023 17:48

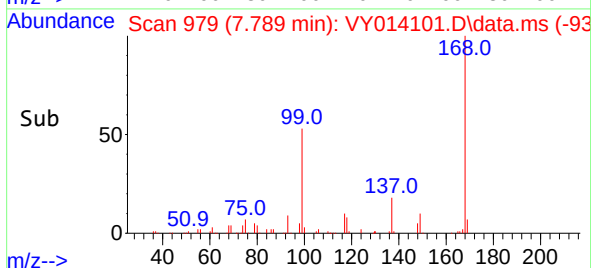
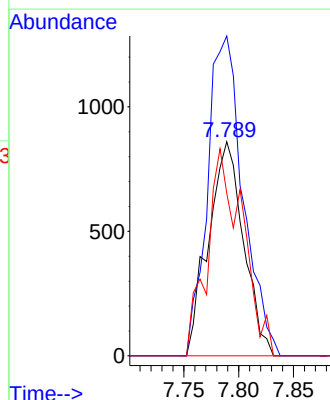
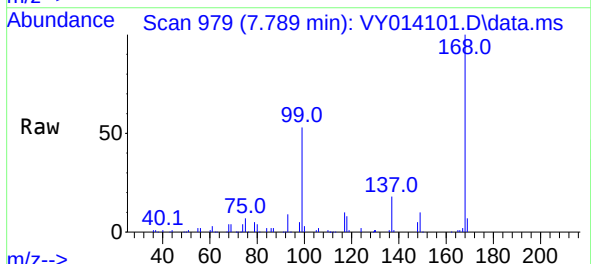
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB35BRE

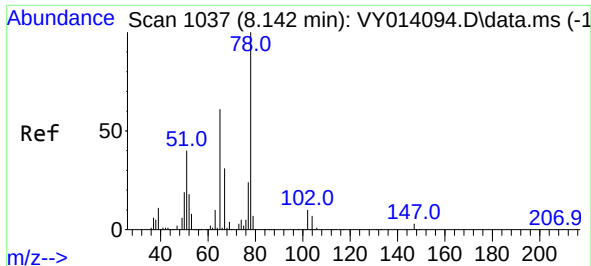
Tgt Ion: 77 Resp: 2027  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.9 32.9#



#31  
Cyclohexane  
Concen: 1.299 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. 0.000 min  
Lab File: VY014101.D  
Acq: 09 Jun 2023 17:48

Tgt Ion: 56 Resp: 1918  
Ion Ratio Lower Upper  
56 100  
69 149.4 27.8 41.6#  
84 75.9 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 36.775 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014101.D

Acq: 09 Jun 2023 17:48

Instrument :

MSVOA\_Y

ClientSampleId :

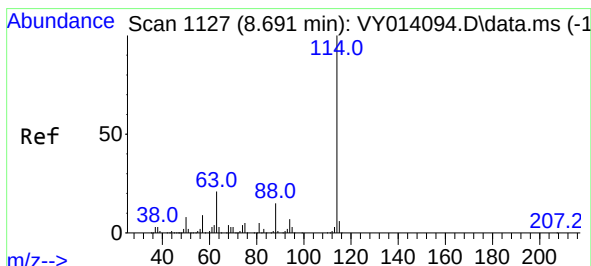
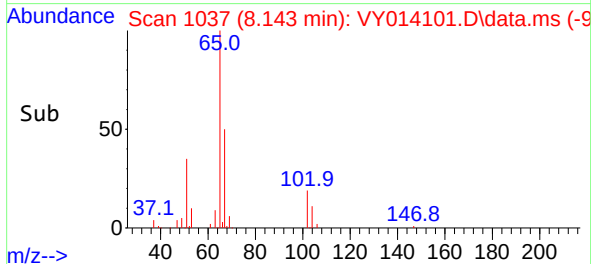
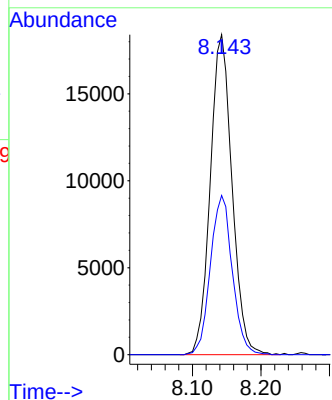
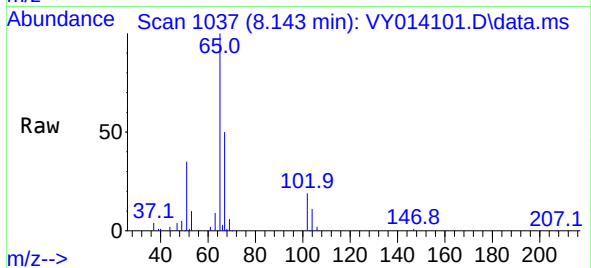
SB35BRE

Tgt Ion: 65 Resp: 40534

Ion Ratio Lower Upper

65 100

67 50.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014101.D

Acq: 09 Jun 2023 17:48

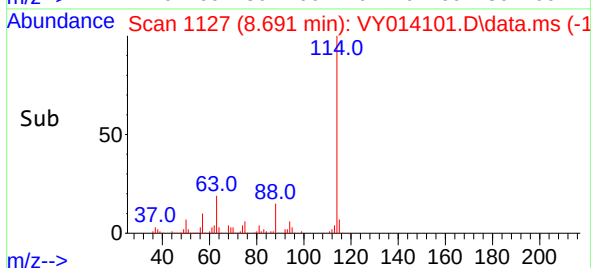
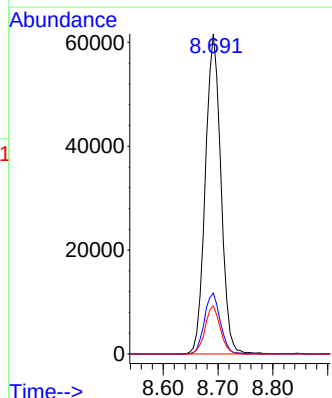
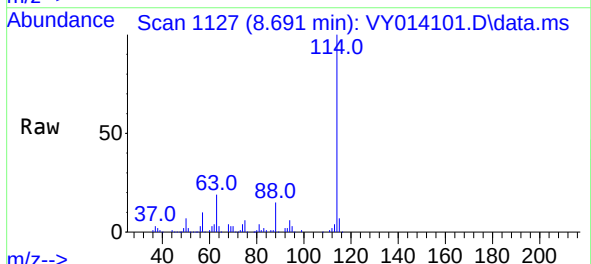
Tgt Ion: 114 Resp: 120910

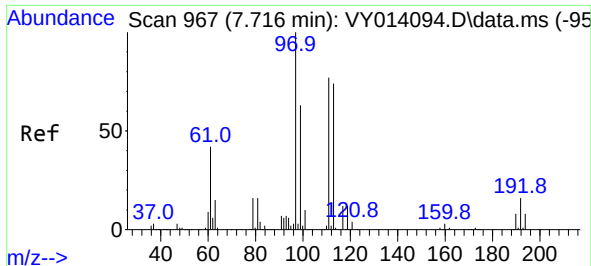
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 43.251 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY014101.D

Acq: 09 Jun 2023 17:48

Instrument :

MSVOA\_Y

ClientSampleId :

SB35BRE

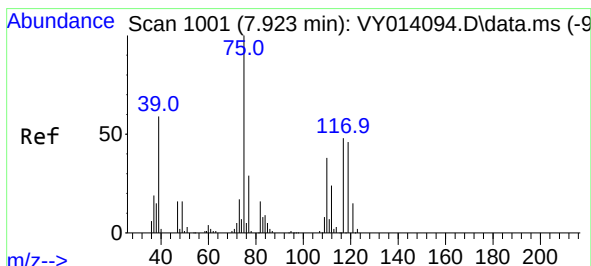
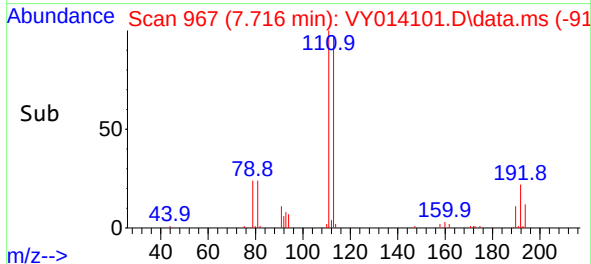
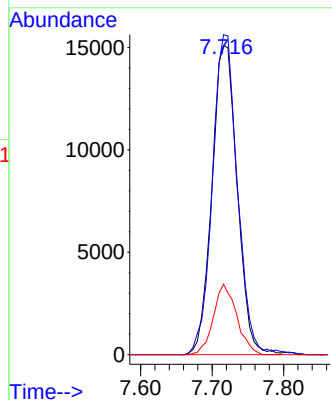
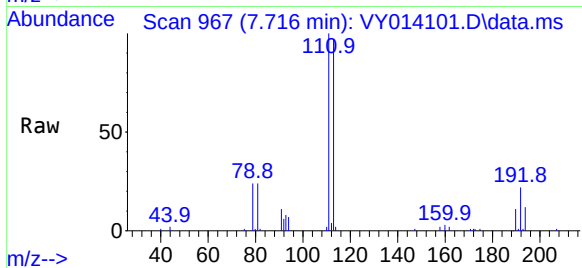
Tgt Ion:113 Resp: 37086

Ion Ratio Lower Upper

113 100

111 103.1 81.3 121.9

192 21.1 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.441 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY014101.D

Acq: 09 Jun 2023 17:48

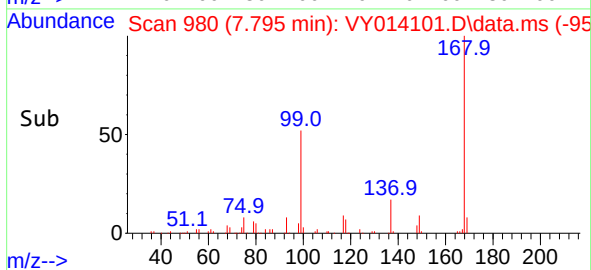
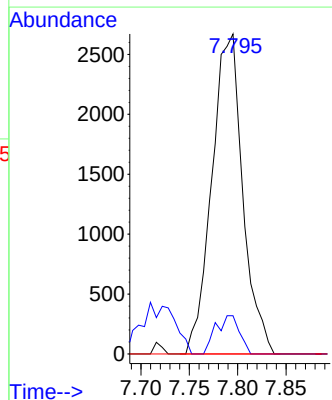
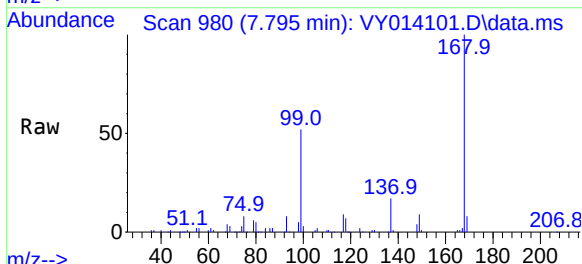
Tgt Ion: 75 Resp: 5937

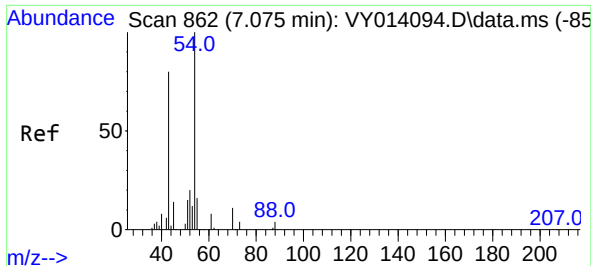
Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.5#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.344 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.103 min

Lab File: VY014101.D

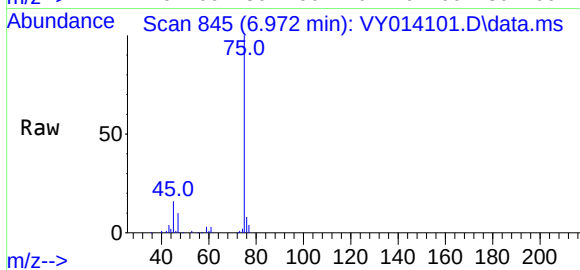
Acq: 09 Jun 2023 17:48

Instrument :

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ClientSampleId :

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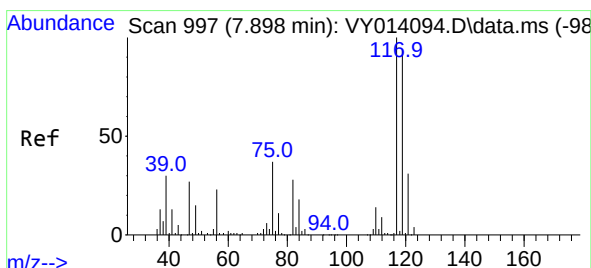
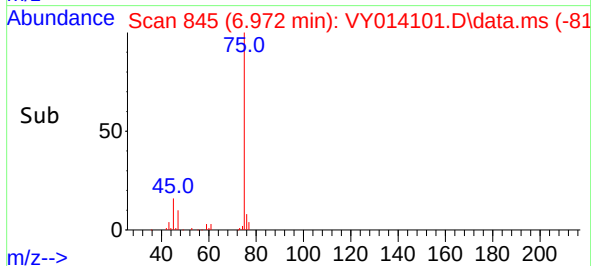
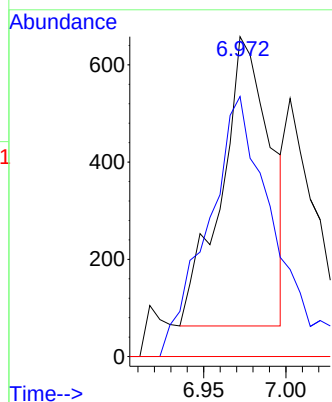
Tgt Ion: 43 Resp: 1240

Ion Ratio Lower Upper

43 100

61 118.9 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.024 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY014101.D

Acq: 09 Jun 2023 17:48

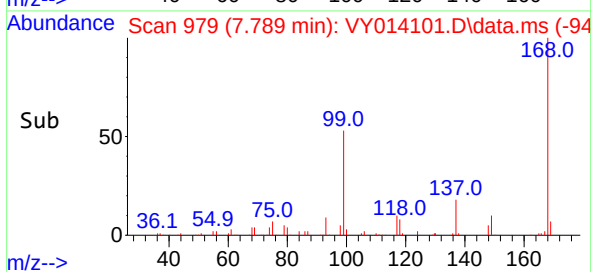
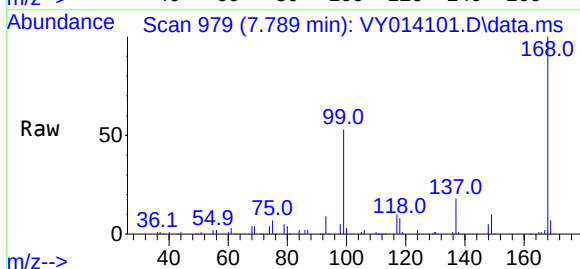
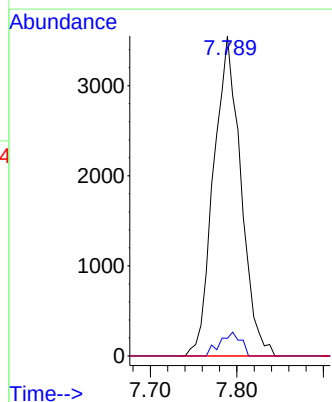
Tgt Ion: 117 Resp: 7750

Ion Ratio Lower Upper

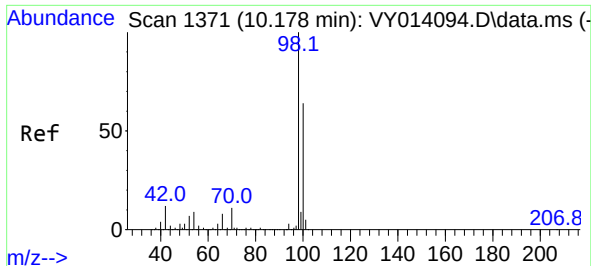
117 100

119 5.5 76.4 114.6#

121 0.0 25.8 38.6#



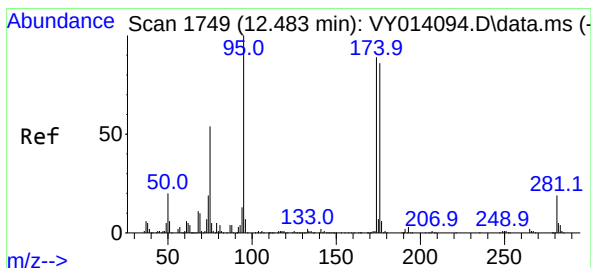
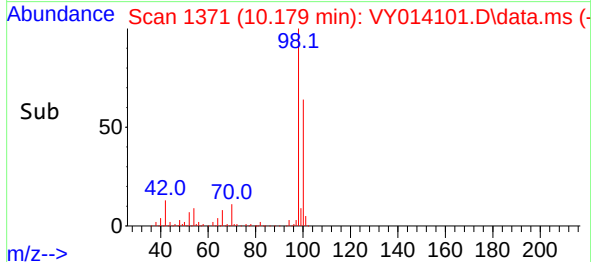
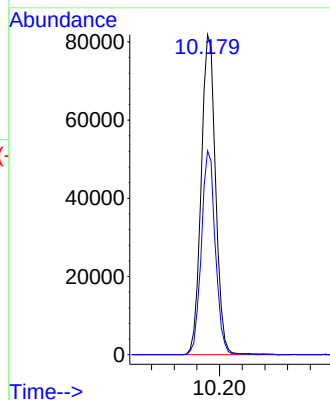
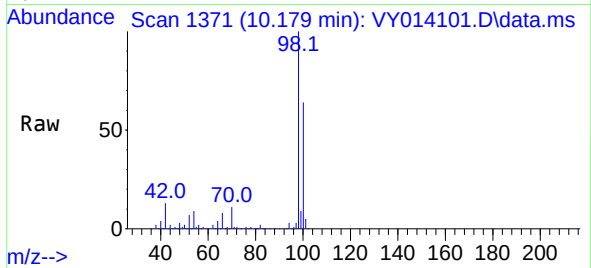




#50  
Toluene-d8  
Concen: 44.899 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY014101.D  
Acq: 09 Jun 2023 17:48

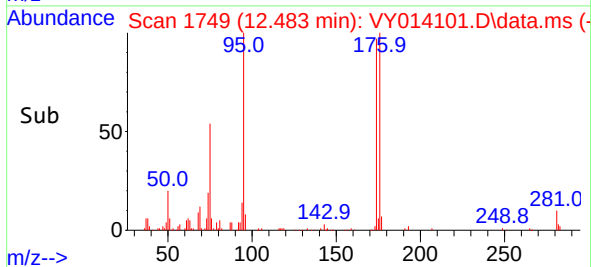
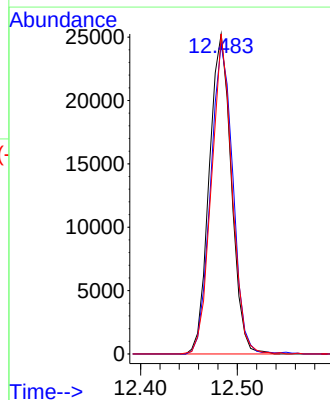
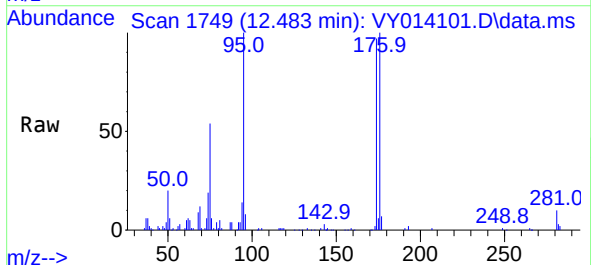
Instrument :  
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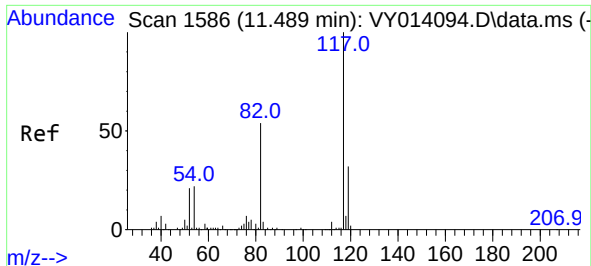
Tgt Ion: 98 Resp: 143934  
Ion Ratio Lower Upper  
98 100  
100 61.9 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 35.083 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY014101.D  
Acq: 09 Jun 2023 17:48

Tgt Ion: 95 Resp: 39951  
Ion Ratio Lower Upper  
95 100  
174 98.0 0.0 178.2  
176 93.2 0.0 173.8

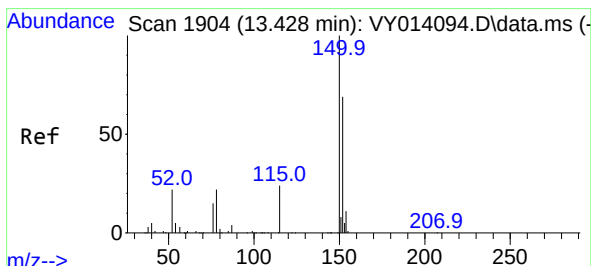
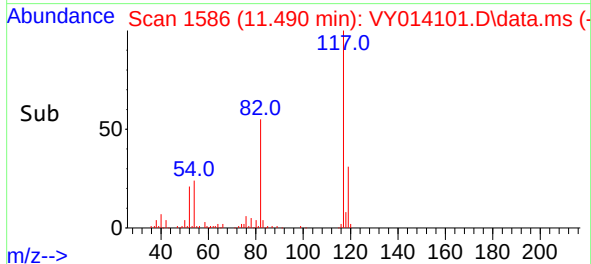
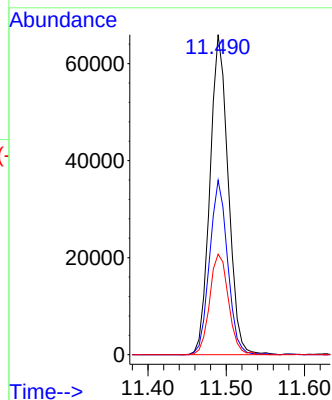
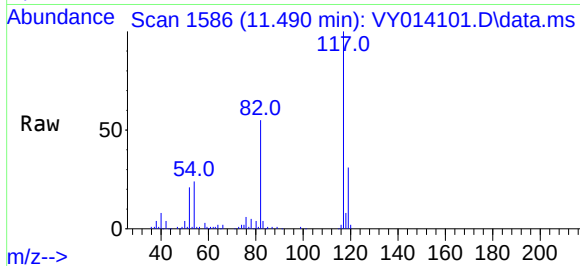




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11586  
Delta R.T. 0.001 min  
Lab File: VY014101.D  
Acq: 09 Jun 2023 17:48

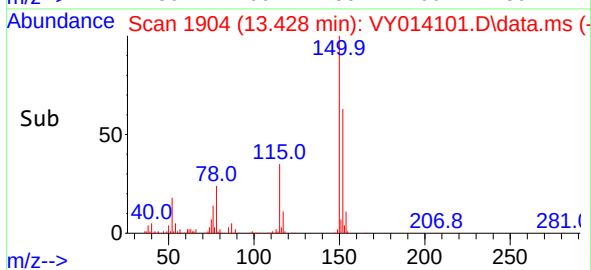
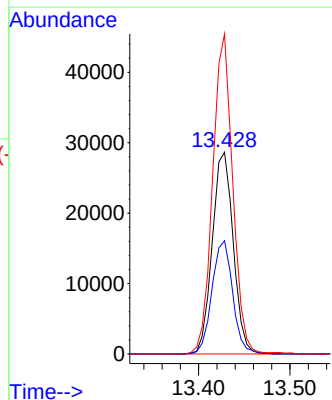
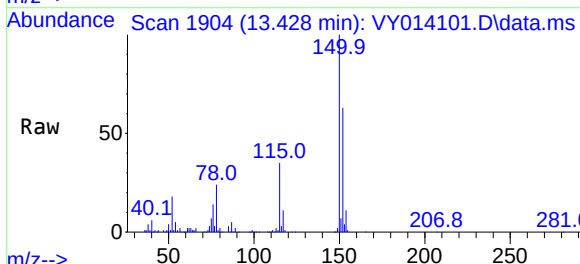
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB35BRE

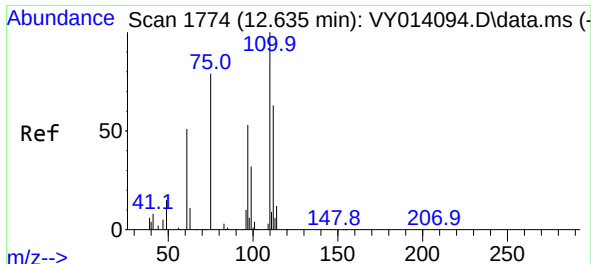
Tgt Ion:117 Resp: 106783  
Ion Ratio Lower Upper  
117 100  
82 54.5 43.4 65.0  
119 31.4 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY014101.D  
Acq: 09 Jun 2023 17:48

Tgt Ion:152 Resp: 45681  
Ion Ratio Lower Upper  
152 100  
115 55.4 28.8 86.5  
150 151.9 0.0 348.8

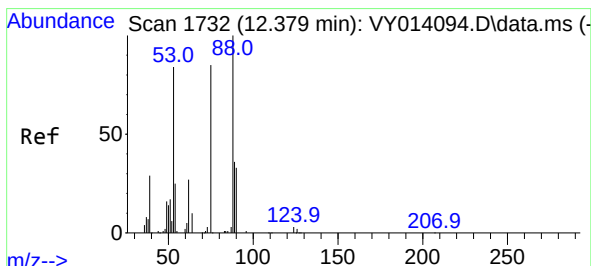
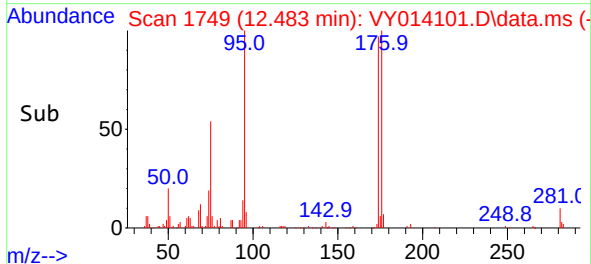
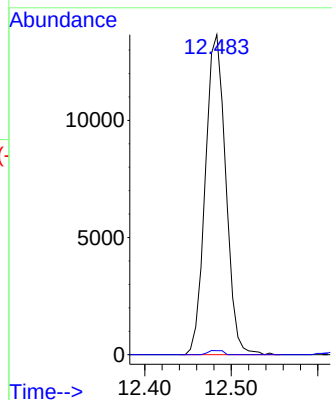
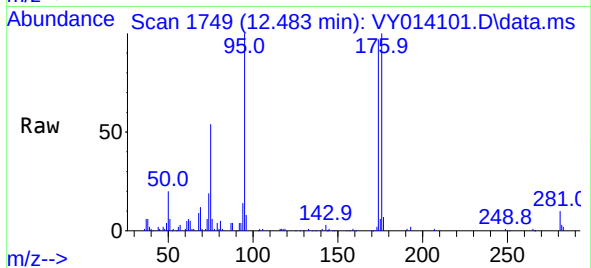




#76  
1,2,3-Trichloropropane  
Concen: 37.307 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY014101.D  
Acq: 09 Jun 2023 17:48

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB35BRE

Tgt Ion: 75 Resp: 22359  
Ion Ratio Lower Upper  
75 100  
77 1.0 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 80.643 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY014101.D  
Acq: 09 Jun 2023 17:48

Tgt Ion: 75 Resp: 22359  
Ion Ratio Lower Upper  
75 100  
53 0.5 77.8 116.8#  
89 0.3 37.4 56.0#

