

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011224\  
 Data File : VY016985.D  
 Acq On : 12 Jan 2024 12:04  
 Operator : SY/MD  
 Sample : VY0112SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 13 00:02:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 2024  
 Response via : Initial Calibration

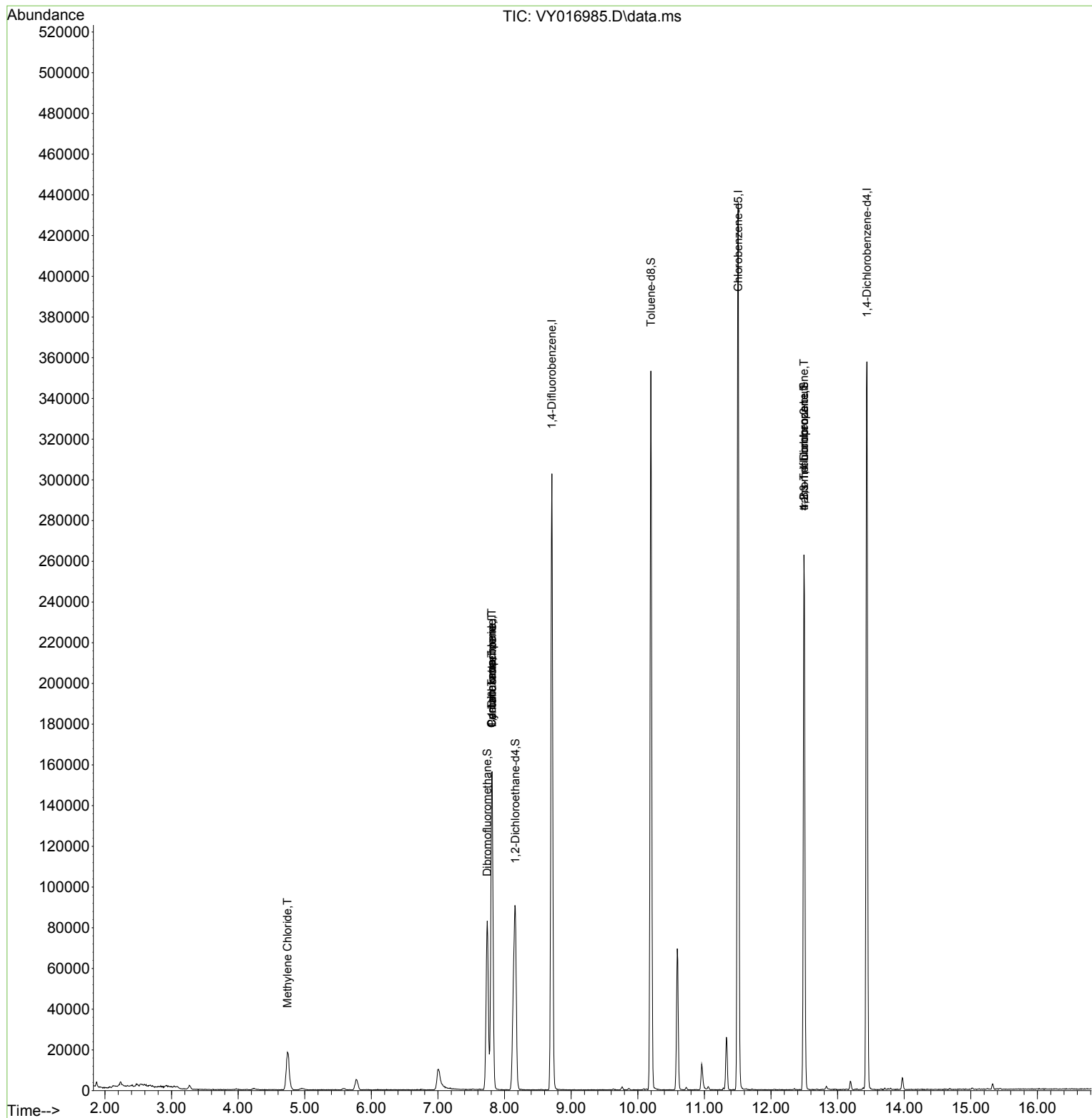
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.813  | 168   | 122066   | 50.000    | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene       | 8.710  | 114   | 253551   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.508 | 117   | 242500   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.441 | 152   | 91704    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.161  | 65    | 56041    | 46.451    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 92.900%  |
| 35) Dibromofluoromethane      | 7.740  | 113   | 61225    | 37.893    | ug/l   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 75.780%  |
| 50) Toluene-d8                | 10.197 | 98    | 224209   | 40.298    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 80.600%  |
| 62) 4-Bromofluorobenzene      | 12.496 | 95    | 71924    | 38.316    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 76.640%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.912  | 85    | 27       | Below Cal | #      | 40       |
| 11) Tert butyl alcohol        | 4.954  | 59    | 1407     | Below Cal | #      | 75       |
| 16) Acetone                   | 3.973  | 43    | 737      | Below Cal | #      | 84       |
| 20) Methylene Chloride        | 4.741  | 84    | 14161    | 2.348     | ug/l   | 96       |
| 25) 2-Butanone                | 7.015  | 43    | 810      | Below Cal | #      | 48       |
| 31) Cyclohexane               | 7.807  | 56    | 2688     | 1.298     | ug/l   | # 16     |
| 36) 1,1-Dichloropropene       | 7.807  | 75    | 10369    | 4.404     | ug/l   | # 50     |
| 38) Carbon Tetrachloride      | 7.807  | 117   | 11961    | 5.000     | ug/l   | # 16     |
| 76) 1,2,3-Trichloropropane    | 12.496 | 75    | 38023    | 38.208    | ug/l   | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.496 | 75    | 38023    | 86.761    | ug/l   | # 12     |
| -----                         |        |       |          |           |        |          |

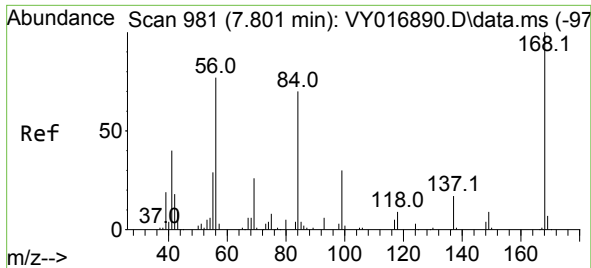
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011224\  
Data File : VY016985.D  
Acq On : 12 Jan 2024 12:04  
Operator : SY/MD  
Sample : VY0112SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

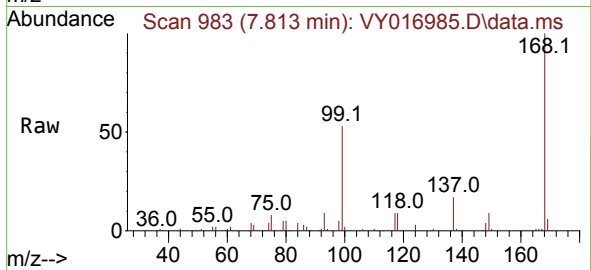
Quant Time: Jan 13 00:02:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 02 14:25:32 2024  
Response via : Initial Calibration



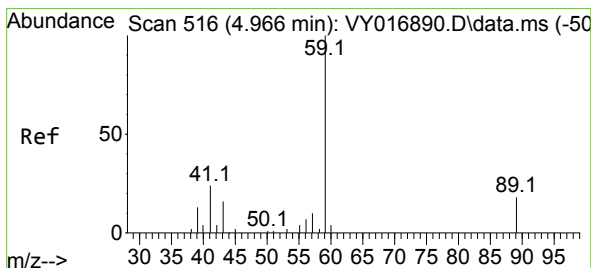
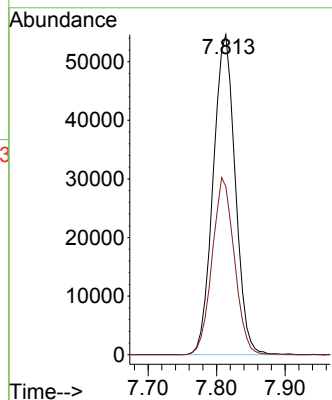
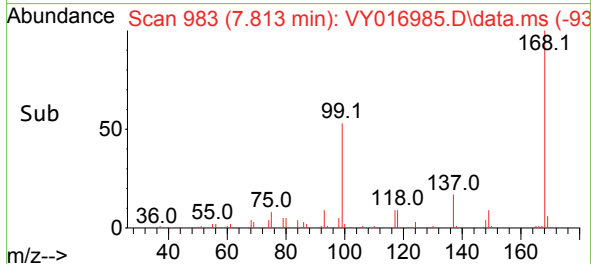


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.813 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY016985.D  
Acq: 12 Jan 2024 12:04

Instrument :  
MSVOA\_Y  
ClientSampleId :

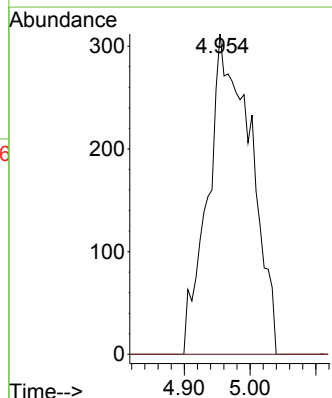
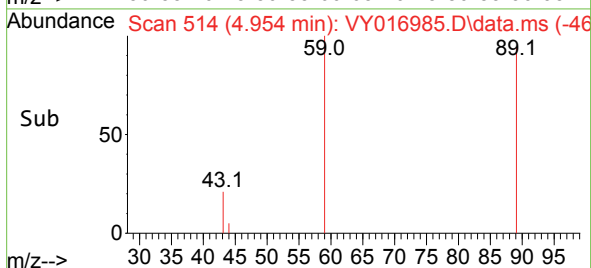
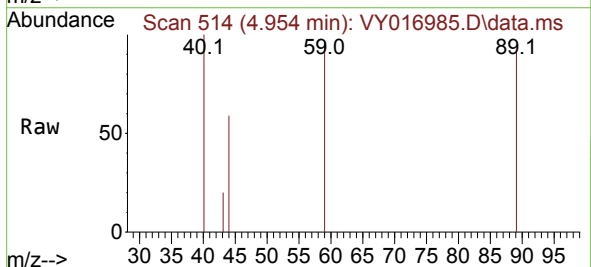


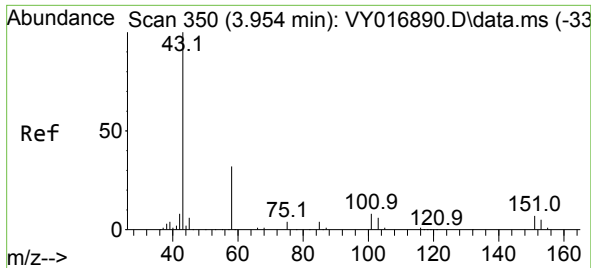
Tgt Ion:168 Resp: 122066  
Ion Ratio Lower Upper  
168 100  
99 52.5 44.2 66.4



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.954 min Scan# 514  
Delta R.T. -0.012 min  
Lab File: VY016985.D  
Acq: 12 Jan 2024 12:04

Tgt Ion: 59 Resp: 1407  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#





#16

Acetone

Concen: Below Cal

RT: 3.973 min Scan# 3

Delta R.T. 0.013 min

Lab File: VY016985.D

Acq: 12 Jan 2024 12:04

Instrument :

MSVOA\_Y

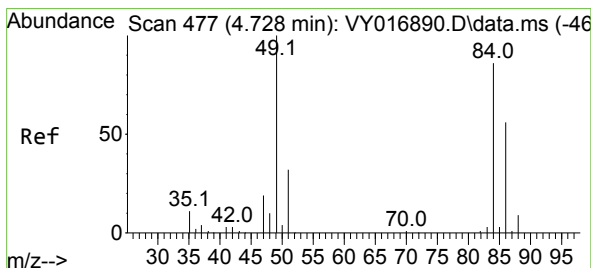
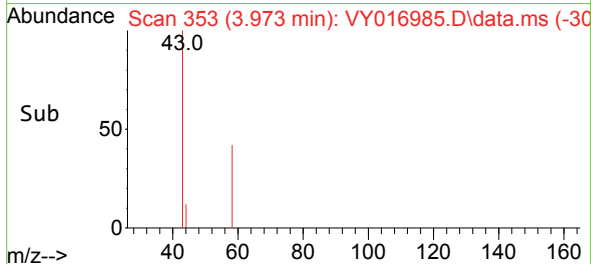
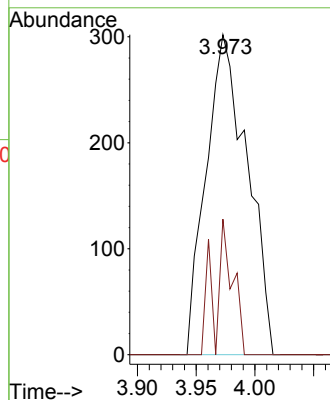
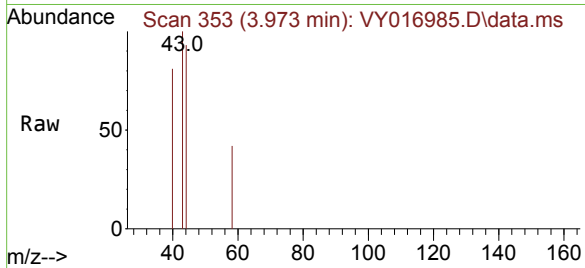
ClientSampleId :

Tgt Ion: 43 Resp: 737

Ion Ratio Lower Upper

43 100

58 42.4 26.6 39.8#



#20

Methylene Chloride

Concen: 2.348 ug/l

RT: 4.741 min Scan# 479

Delta R.T. 0.007 min

Lab File: VY016985.D

Acq: 12 Jan 2024 12:04

Tgt Ion: 84 Resp: 14161

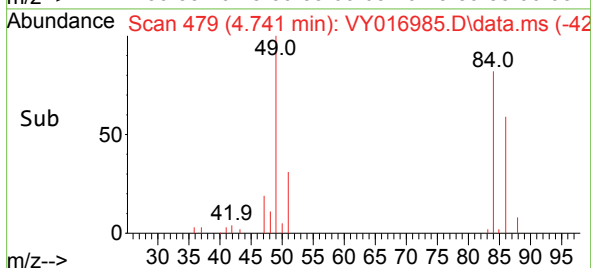
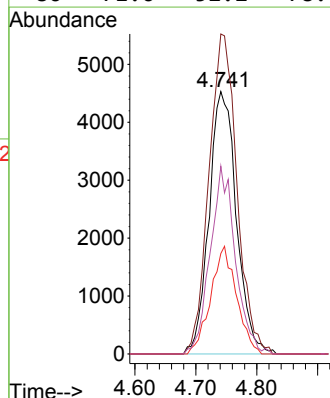
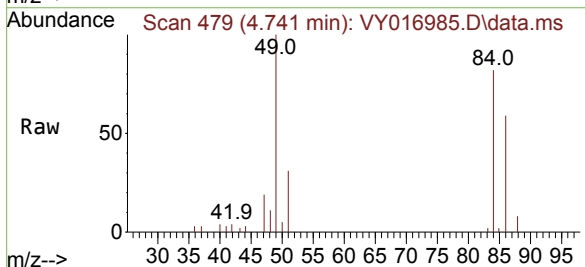
Ion Ratio Lower Upper

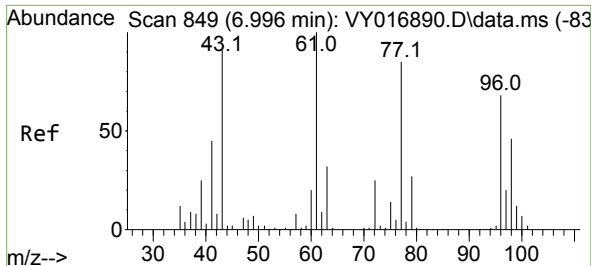
84 100

49 122.0 95.2 142.8

51 38.3 29.9 44.9

86 71.6 52.2 78.4

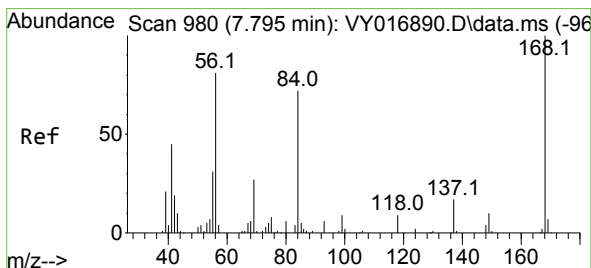
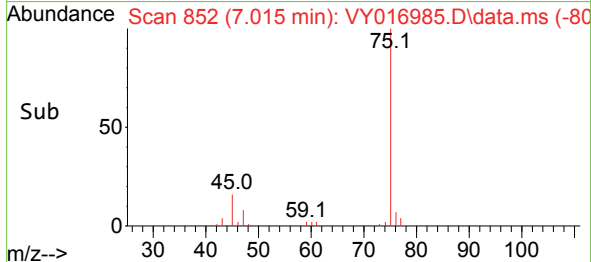
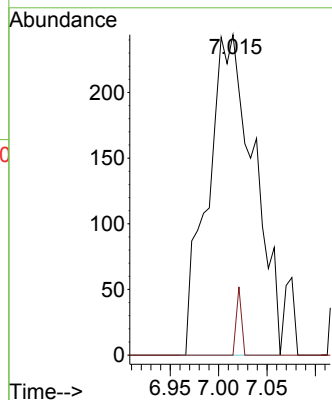
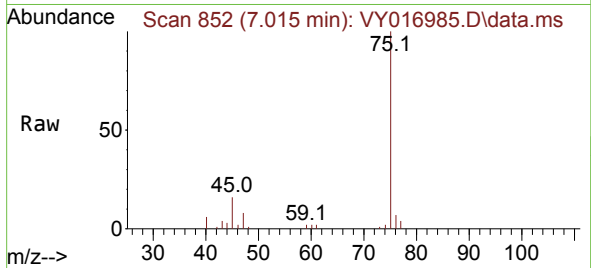




#25  
2-Butanone  
Concen: Below Cal  
RT: 7.015 min Scan# 810  
Delta R.T. 0.019 min  
Lab File: VY016985.D  
Acq: 12 Jan 2024 12:04

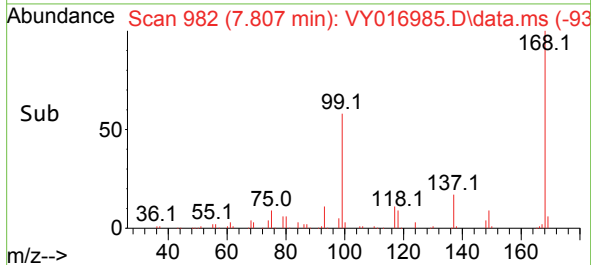
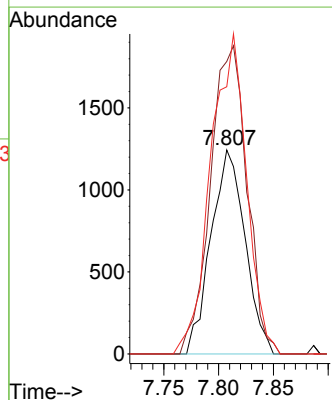
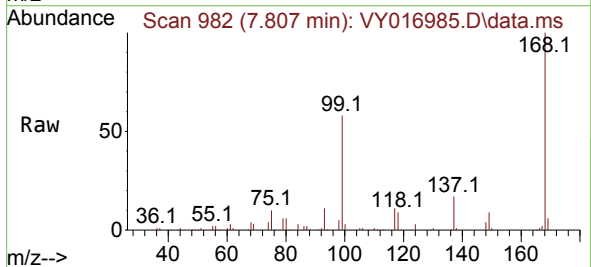
Instrument :  
MSVOA\_Y  
ClientSampleId :

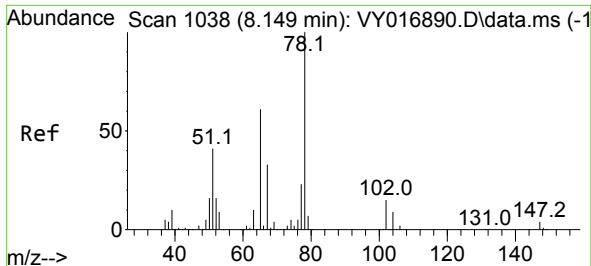
Tgt Ion: 43 Resp: 810  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.4 32.2#



#31  
Cyclohexane  
Concen: 1.298 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY016985.D  
Acq: 12 Jan 2024 12:04

Tgt Ion: 56 Resp: 2688  
Ion Ratio Lower Upper  
56 100  
69 143.3 27.0 40.6#  
84 130.9 71.8 107.6#

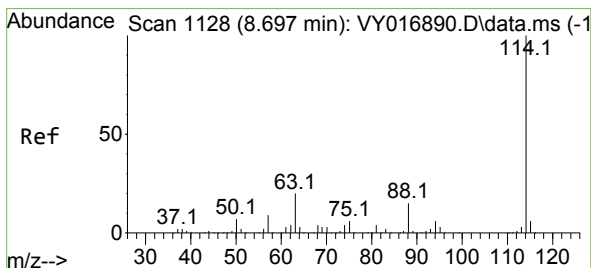
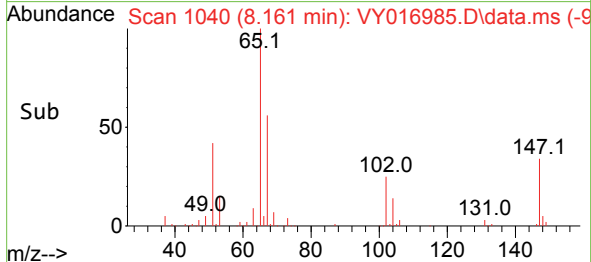
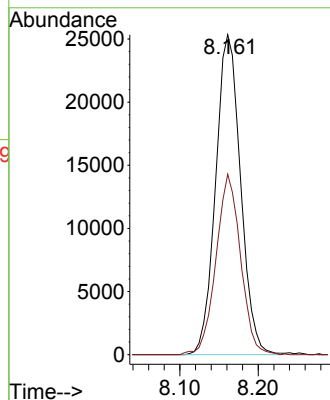
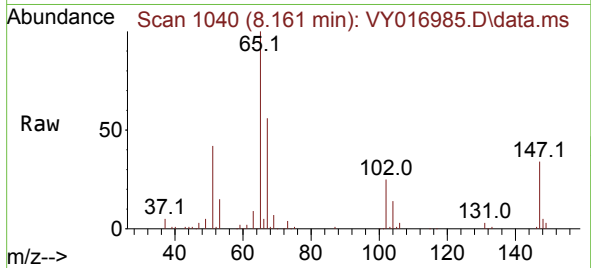




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.451 ug/l  
 RT: 8.161 min Scan# 1130  
 Delta R.T. 0.006 min  
 Lab File: VY016985.D  
 Acq: 12 Jan 2024 12:04

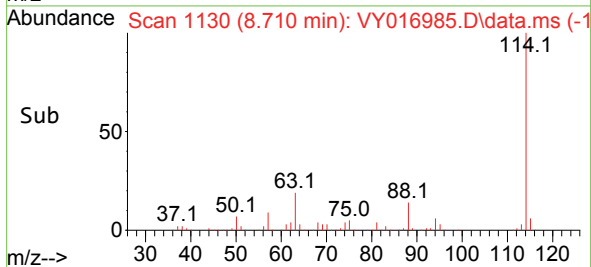
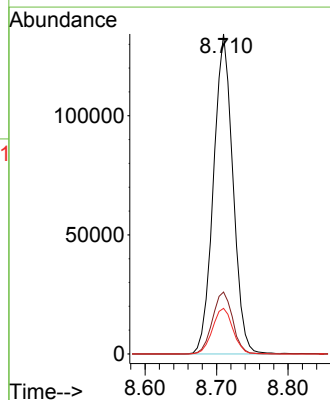
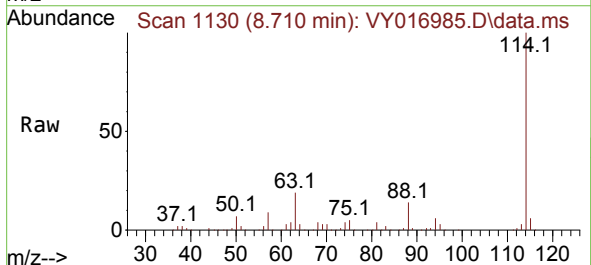
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

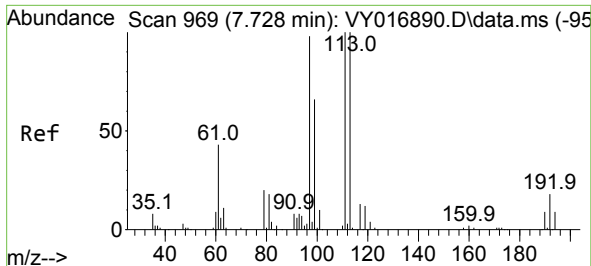
Tgt Ion: 65 Resp: 56041  
 Ion Ratio Lower Upper  
 65 100  
 67 55.5 0.0 109.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.710 min Scan# 1130  
 Delta R.T. 0.007 min  
 Lab File: VY016985.D  
 Acq: 12 Jan 2024 12:04

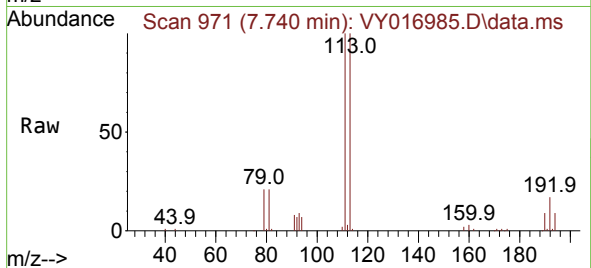
Tgt Ion: 114 Resp: 253551  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 37.4  
 88 14.2 0.0 29.0



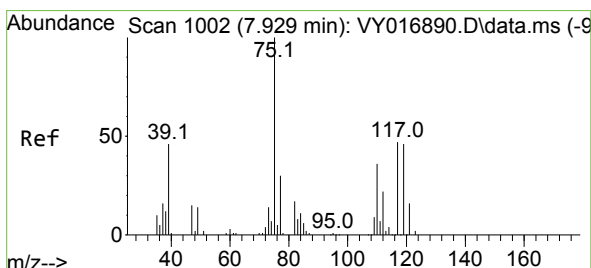
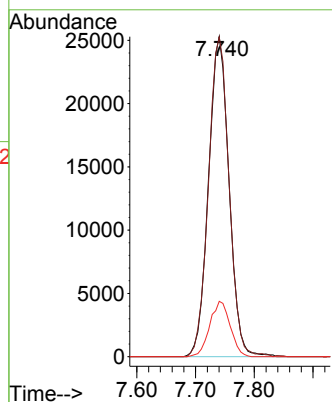
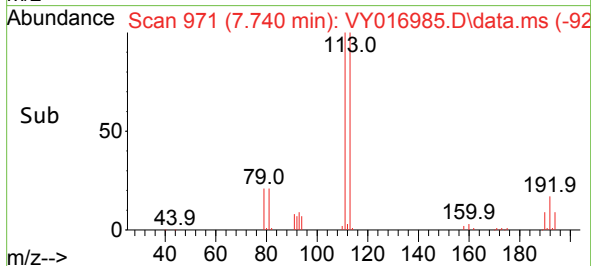


#35  
Dibromofluoromethane  
Concen: 37.893 ug/l  
RT: 7.740 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY016985.D  
Acq: 12 Jan 2024 12:04

Instrument :  
MSVOA\_Y  
ClientSampleId :

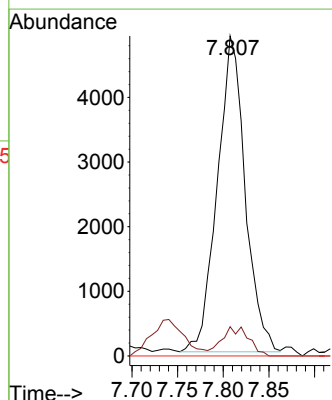
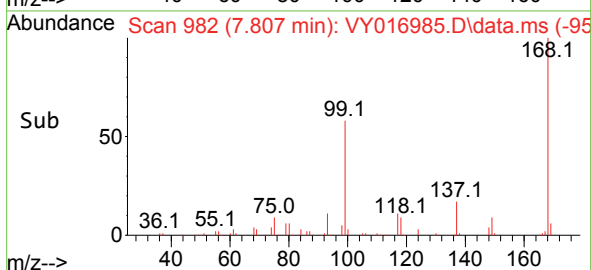
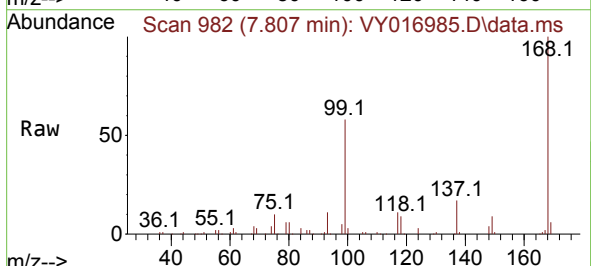


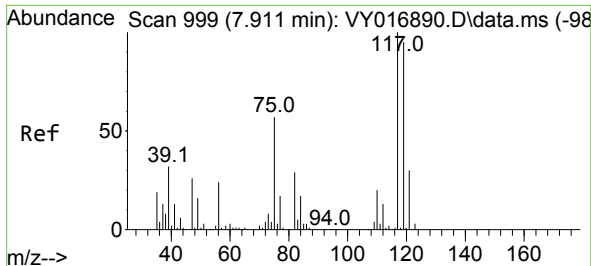
Tgt Ion:113 Resp: 61225  
Ion Ratio Lower Upper  
113 100  
111 100.2 83.8 125.6  
192 17.3 14.5 21.7



#36  
1,1-Dichloropropene  
Concen: 4.404 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. -0.122 min  
Lab File: VY016985.D  
Acq: 12 Jan 2024 12:04

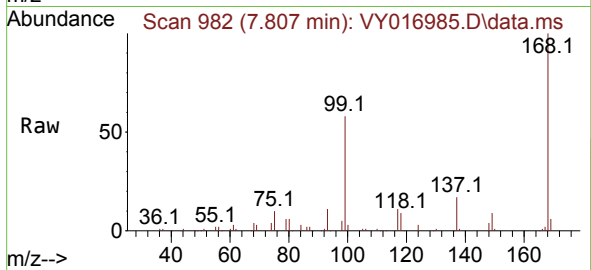
Tgt Ion: 75 Resp: 10369  
Ion Ratio Lower Upper  
75 100  
110 8.8 17.4 52.3#  
77 0.0 24.7 37.1#



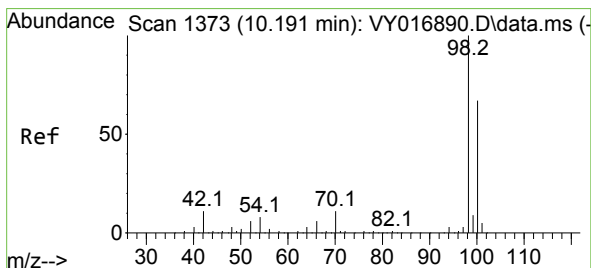
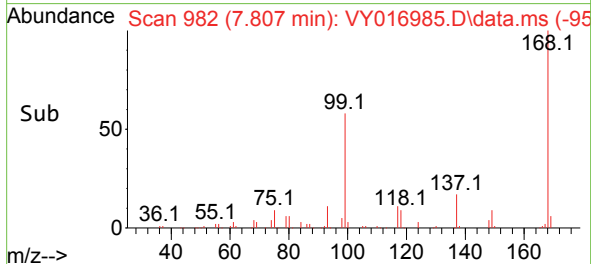
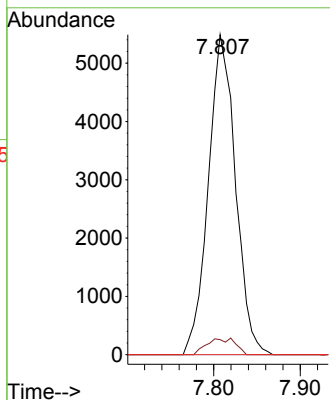


#38  
Carbon Tetrachloride  
Concen: 5.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY016985.D  
Acq: 12 Jan 2024 12:04

Instrument :  
MSVOA\_Y  
ClientSampleId :

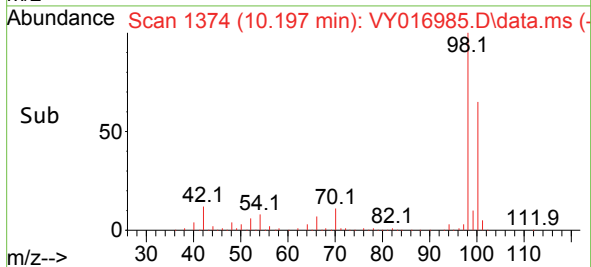
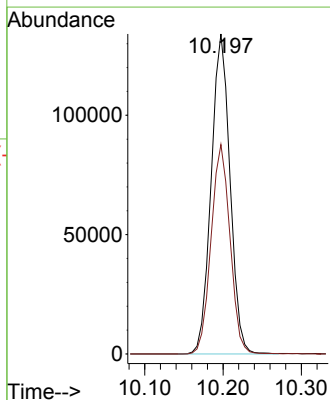
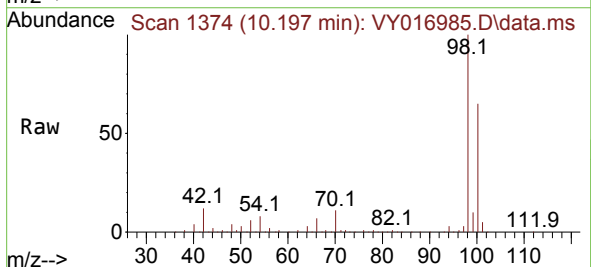


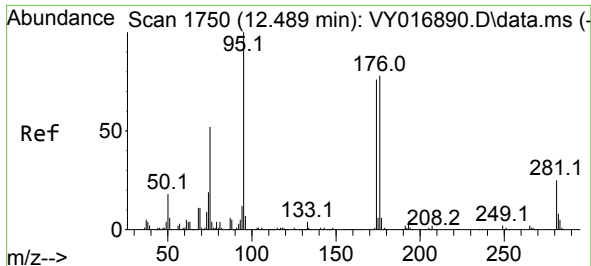
Tgt Ion:117 Resp: 11961  
Ion Ratio Lower Upper  
117 100  
119 4.7 76.0 114.0#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 40.298 ug/l  
RT: 10.197 min Scan# 1374  
Delta R.T. 0.006 min  
Lab File: VY016985.D  
Acq: 12 Jan 2024 12:04

Tgt Ion: 98 Resp: 224209  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.3 78.5

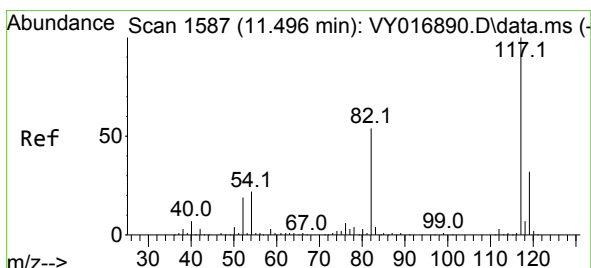
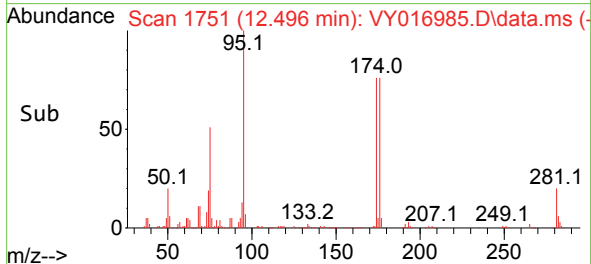
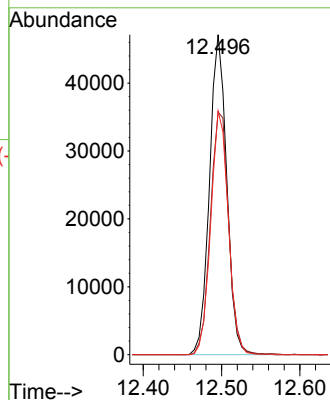
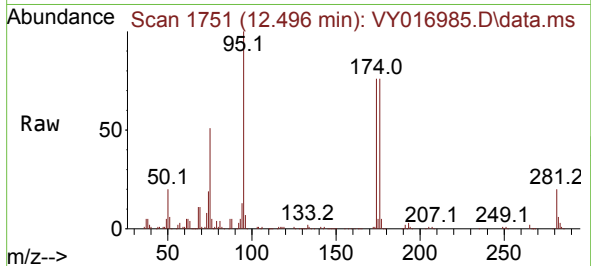




#62  
4-Bromofluorobenzene  
Concen: 38.316 ug/l  
RT: 12.496 min Scan# 1751  
Delta R.T. 0.007 min  
Lab File: VY016985.D  
Acq: 12 Jan 2024 12:04

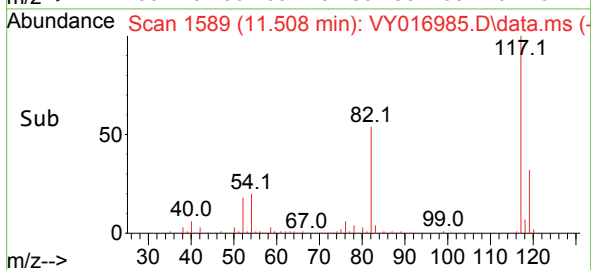
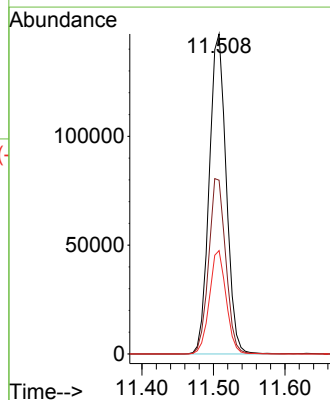
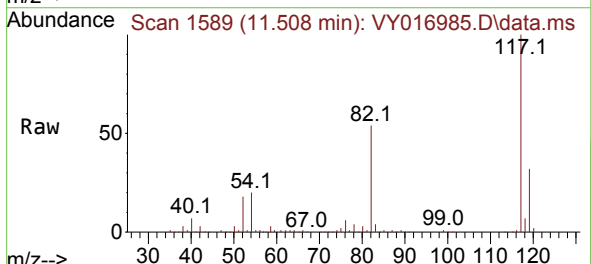
Instrument :  
MSVOA\_Y  
ClientSampleId :

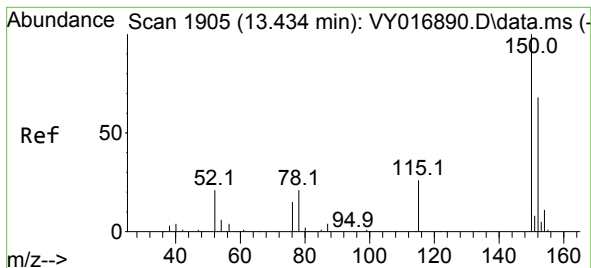
|             |             |
|-------------|-------------|
| Tgt Ion: 95 | Resp: 71924 |
| Ion Ratio   | Lower Upper |
| 95 100      |             |
| 174 80.3    | 0.0 160.0   |
| 176 77.6    | 0.0 151.8   |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.508 min Scan# 1589  
Delta R.T. 0.006 min  
Lab File: VY016985.D  
Acq: 12 Jan 2024 12:04

|              |              |
|--------------|--------------|
| Tgt Ion: 117 | Resp: 242500 |
| Ion Ratio    | Lower Upper  |
| 117 100      |              |
| 82 54.3      | 43.8 65.8    |
| 119 32.3     | 26.5 39.7    |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.441 min Scan# 1905

Delta R.T. 0.007 min

Lab File: VY016985.D

Acq: 12 Jan 2024 12:04

Instrument :

MSVOA\_Y

ClientSampleId :

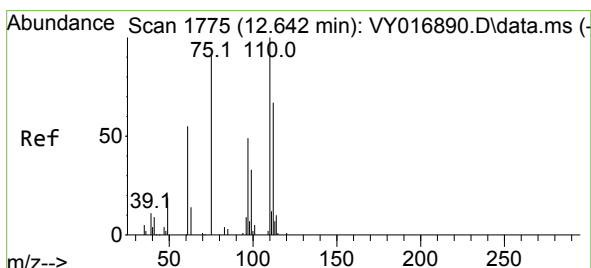
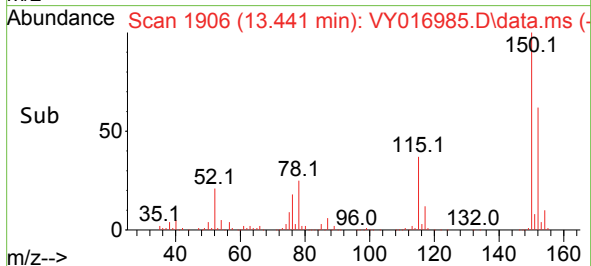
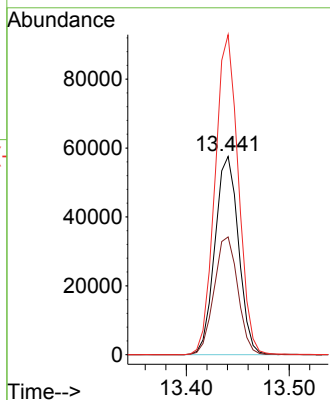
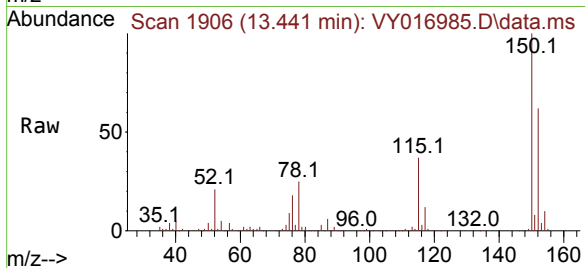
Tgt Ion:152 Resp: 91704

Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.0

150 159.6 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 38.208 ug/l

RT: 12.496 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016985.D

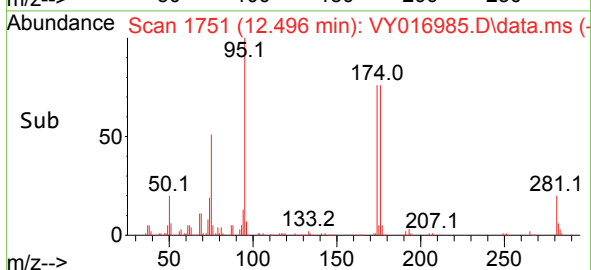
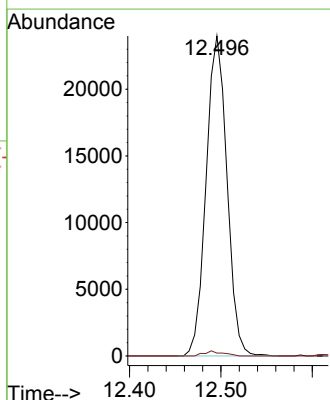
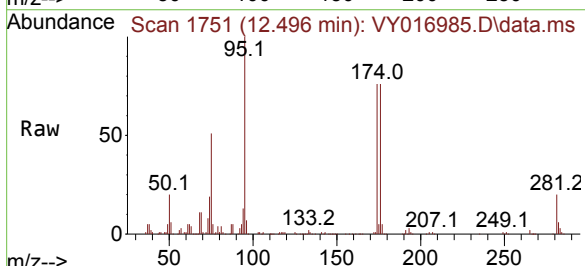
Acq: 12 Jan 2024 12:04

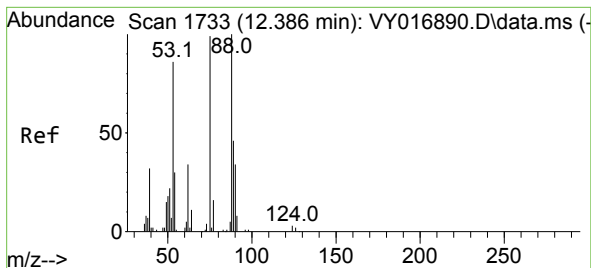
Tgt Ion: 75 Resp: 38023

Ion Ratio Lower Upper

75 100

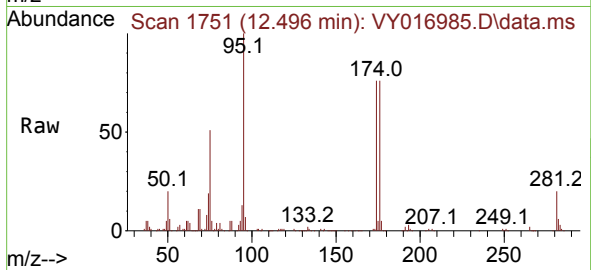
77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 86.761 ug/l  
 RT: 12.496 min Scan# 11  
 Delta R.T. 0.111 min  
 Lab File: VY016985.D  
 Acq: 12 Jan 2024 12:04

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 38023  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.0 111.0#  
 89 0.1 36.5 54.7#

