

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070623\  
 Data File : VY014581.D  
 Acq On : 06 Jul 2023 12:19  
 Operator : KP/MD  
 Sample : 03516-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jul 07 06:11:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y063023S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 30 19:02:11 2023  
 Response via : Initial Calibration

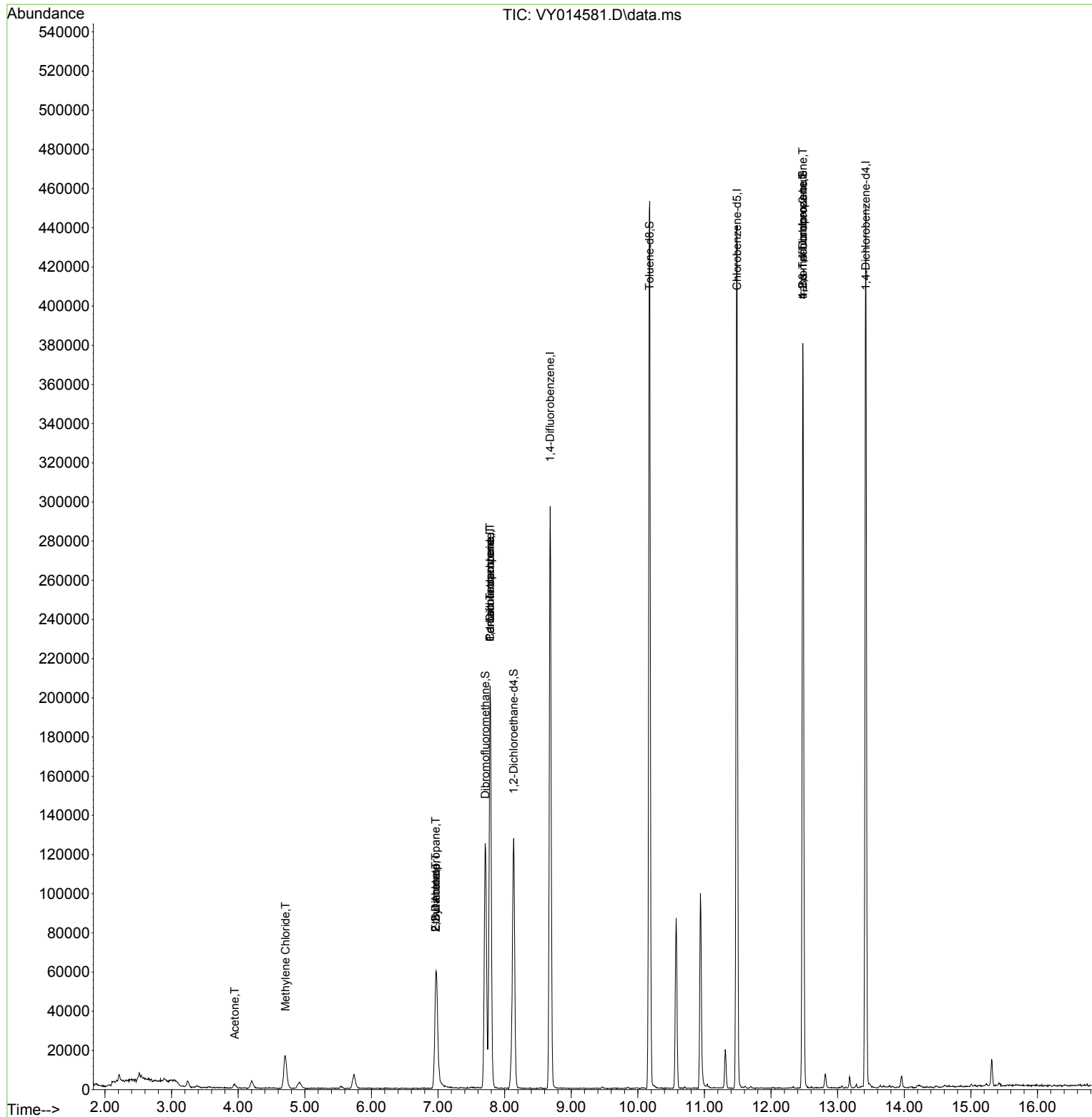
| Compound                      |        | R.T.   | QIon     | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|--------|----------|----------|------------|--------|----------|
| -----                         |        |        |          |          |            |        |          |
| Internal Standards            |        |        |          |          |            |        |          |
| 1) Pentafluorobenzene         |        | 7.782  | 168      | 175947   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       |        | 8.685  | 114      | 267840   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          |        | 11.489 | 117      | 262136   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    |        | 13.422 | 152      | 125438   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |        |          |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     |        | 8.136  | 65       | 96104    | 54.907     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 50 - 163 | Recovery | = 109.820% |        |          |
| 35) Dibromofluoromethane      |        | 7.709  | 113      | 90228    | 54.704     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 54 - 147 | Recovery | = 109.400% |        |          |
| 50) Toluene-d8                |        | 10.178 | 98       | 318126   | 48.791     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 58 - 134 | Recovery | = 97.580%  |        |          |
| 62) 4-Bromofluorobenzene      |        | 12.477 | 95       | 105360   | 46.536     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 30 - 143 | Recovery | = 93.080%  |        |          |
| Target Compounds              |        |        |          |          |            |        |          |
|                               |        |        |          |          |            | Qvalue |          |
| 2) Dichlorodifluoromethane    |        | 1.911  | 85       | 144      | Below Cal  | #      | 43       |
| 11) Tert butyl alcohol        |        | 4.929  | 59       | 3871     | Below Cal  | #      | 89       |
| 16) Acetone                   |        | 3.948  | 43       | 3631     | 6.643      | ug/l   | 95       |
| 20) Methylene Chloride        |        | 4.710  | 84       | 13599    | 1.910      | ug/l # | 85       |
| 25) 2-Butanone                |        | 6.965  | 43       | 3033     | 3.747      | ug/l # | 69       |
| 26) 2,2-Dichloropropane       |        | 6.965  | 77       | 4361     | 1.590      | ug/l # | 54       |
| 36) 1,1-Dichloropropene       |        | 7.782  | 75       | 11576    | 4.583      | ug/l # | 49       |
| 37) Ethyl Acetate             |        | 6.965  | 43       | 3033     | 1.751      | ug/l # | 1        |
| 38) Carbon Tetrachloride      |        | 7.782  | 117      | 14901    | 5.651      | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    |        | 12.477 | 75       | 49012    | 33.297     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... |        | 12.477 | 75       | 49012    | 64.810     | ug/l # | 11       |
| -----                         |        |        |          |          |            |        |          |

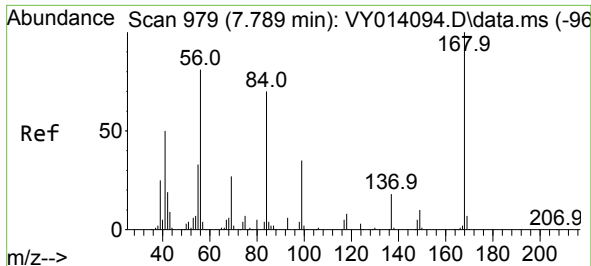
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070623\  
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Sample : 03516-01  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Jul 07 06:11:55 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y063023S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 30 19:02:11 2023  
Response via : Initial Calibration

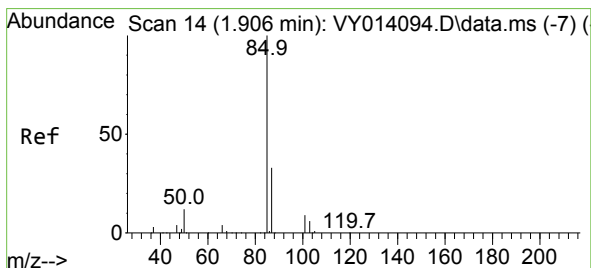
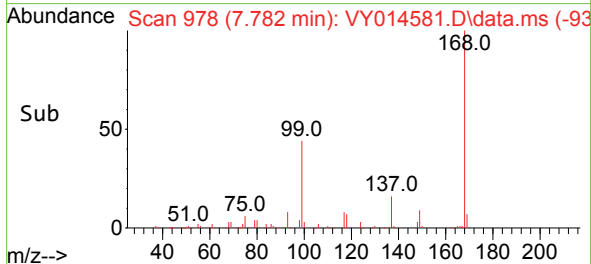
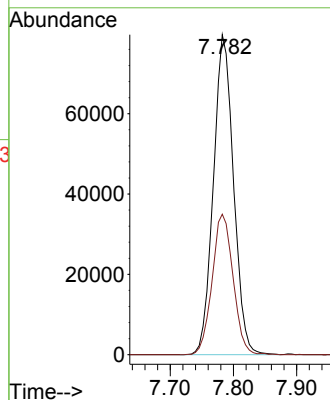
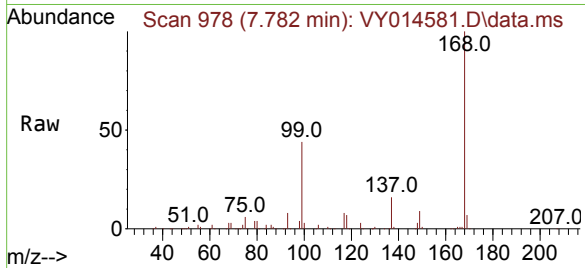




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. -0.007 min  
Lab File: VY014581.D  
Acq: 06 Jul 2023 12:19

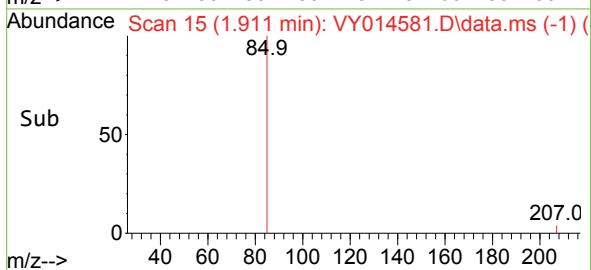
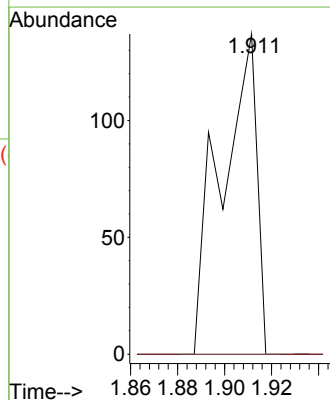
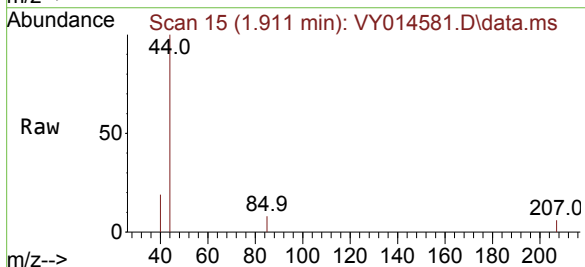
Instrument :  
MSVOA\_Y  
ClientSampleId :

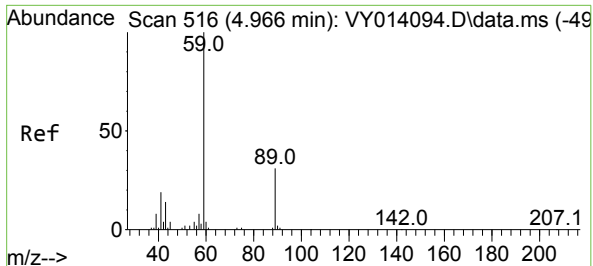
Tgt Ion:168 Resp: 175947  
Ion Ratio Lower Upper  
168 100  
99 43.9 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.911 min Scan# 15  
Delta R.T. 0.005 min  
Lab File: VY014581.D  
Acq: 06 Jul 2023 12:19

Tgt Ion: 85 Resp: 144  
Ion Ratio Lower Upper  
85 100  
87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.929 min Scan# 516

Delta R.T. -0.037 min

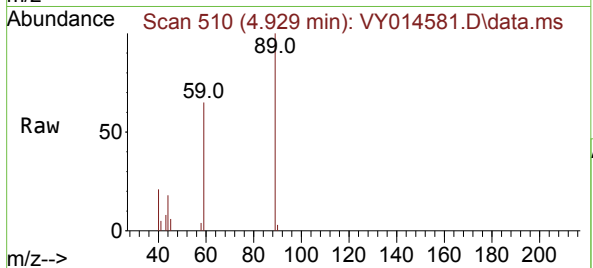
Lab File: VY014581.D

Acq: 06 Jul 2023 12:19

Instrument :

MSVOA\_Y

ClientSampleId :

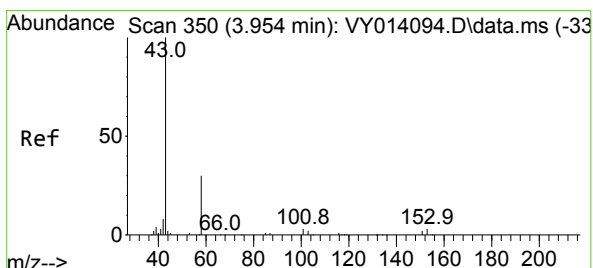
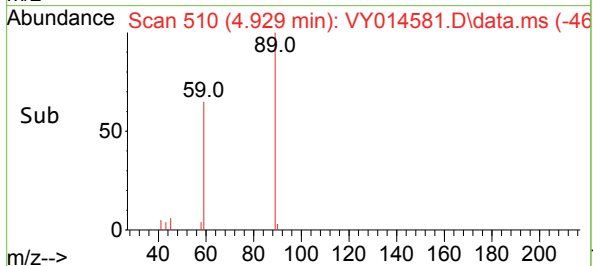
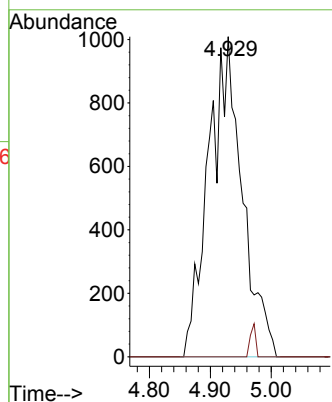


Tgt Ion: 59 Resp: 3871

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 6.643 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY014581.D

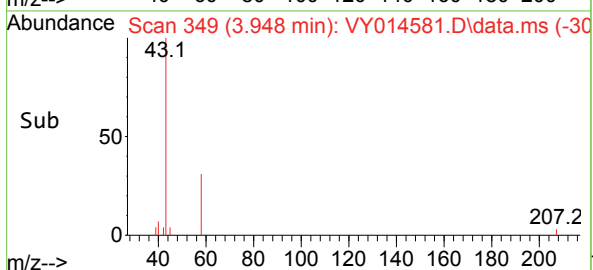
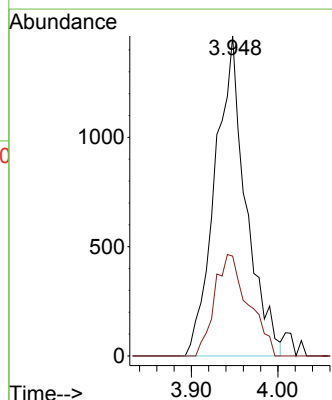
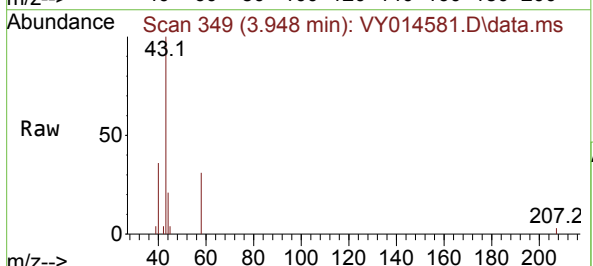
Acq: 06 Jul 2023 12:19

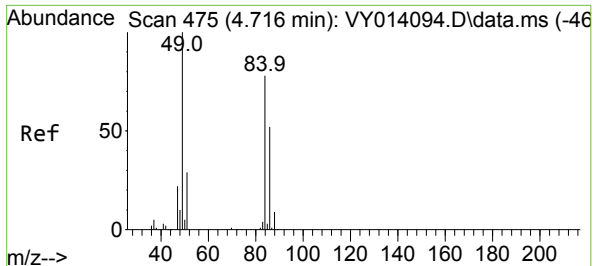
Tgt Ion: 43 Resp: 3631

Ion Ratio Lower Upper

43 100

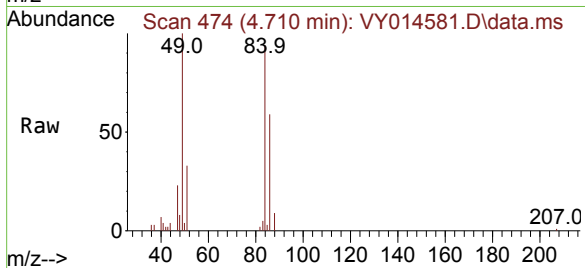
58 31.2 22.7 34.1



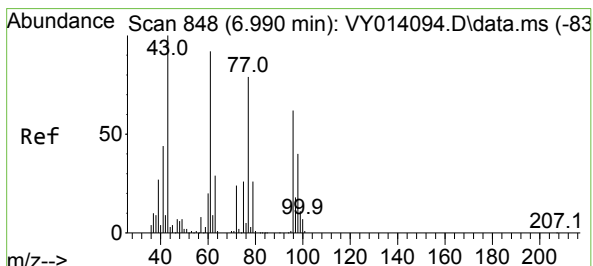
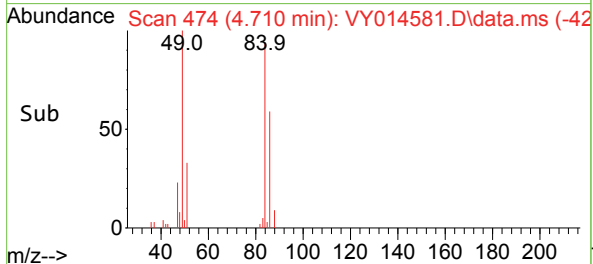
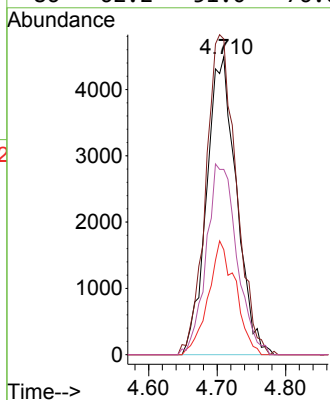


#20  
Methylene Chloride  
Concen: 1.910 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY014581.D  
Acq: 06 Jul 2023 12:19

Instrument :  
MSVOA\_Y  
ClientSampleId :

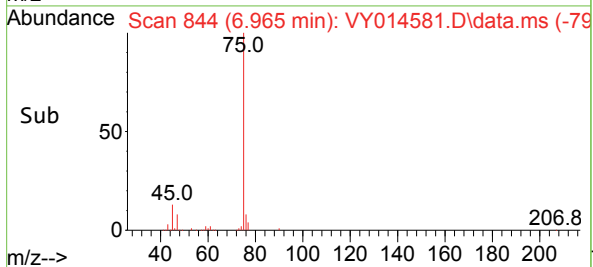
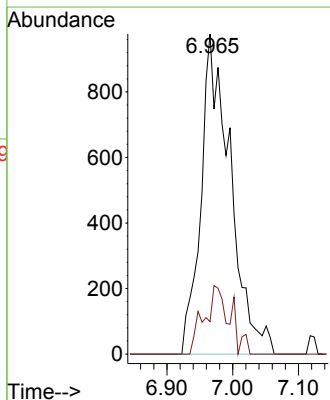
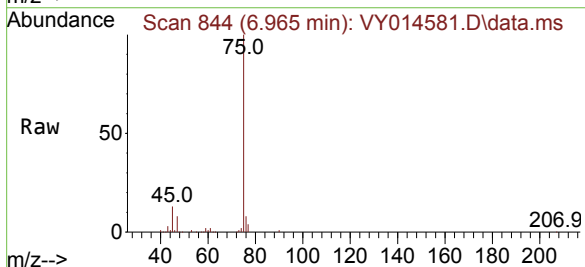


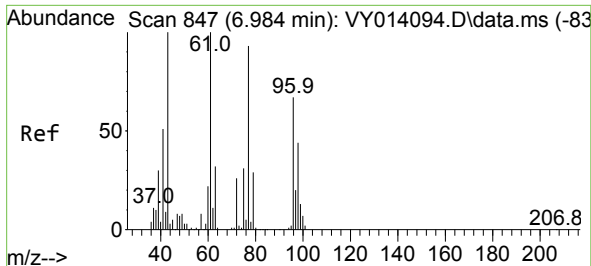
Tgt Ion: 84 Resp: 13599  
Ion Ratio Lower Upper  
84 100  
49 106.0 106.9 160.3#  
51 35.2 33.2 49.8  
86 62.2 51.0 76.6



#25  
2-Butanone  
Concen: 3.747 ug/l  
RT: 6.965 min Scan# 844  
Delta R.T. -0.025 min  
Lab File: VY014581.D  
Acq: 06 Jul 2023 12:19

Tgt Ion: 43 Resp: 3033  
Ion Ratio Lower Upper  
43 100  
72 10.1 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.590 ug/l

RT: 6.965 min Scan# 84

Delta R.T. -0.019 min

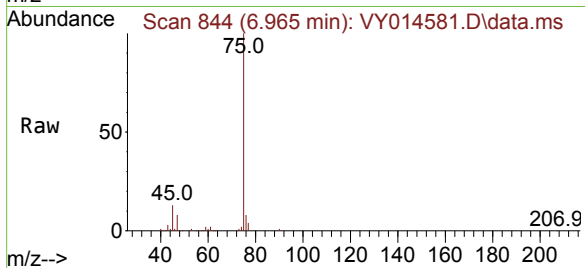
Lab File: VY014581.D

Acq: 06 Jul 2023 12:19

Instrument :

MSVOA\_Y

ClientSampleId :

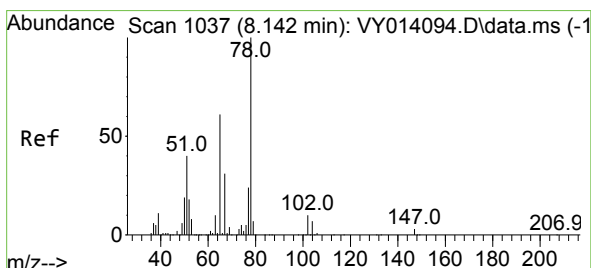
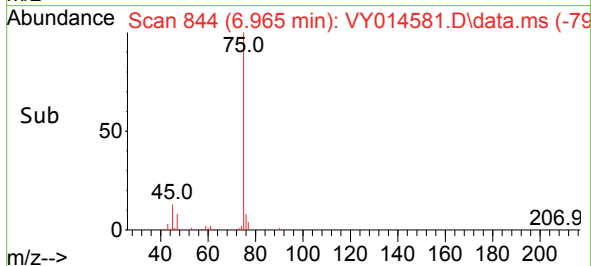
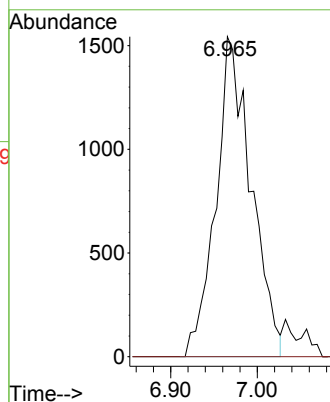


Tgt Ion: 77 Resp: 4361

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 54.907 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014581.D

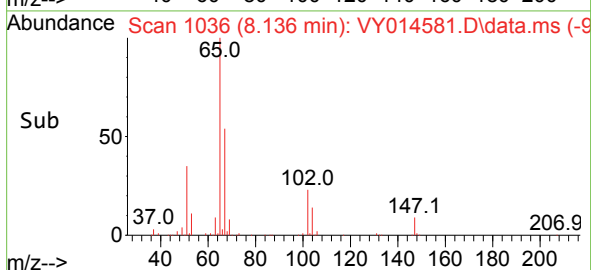
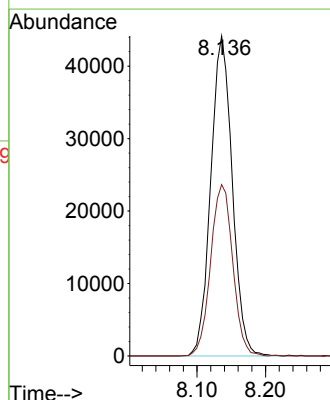
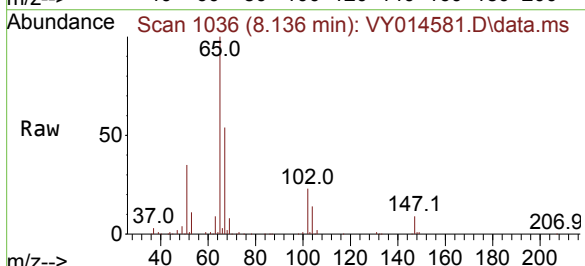
Acq: 06 Jul 2023 12:19

Tgt Ion: 65 Resp: 96104

Ion Ratio Lower Upper

65 100

67 55.0 0.0 101.8

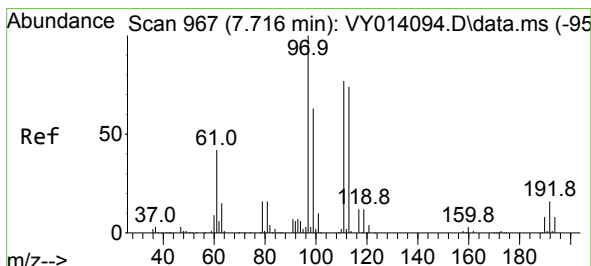
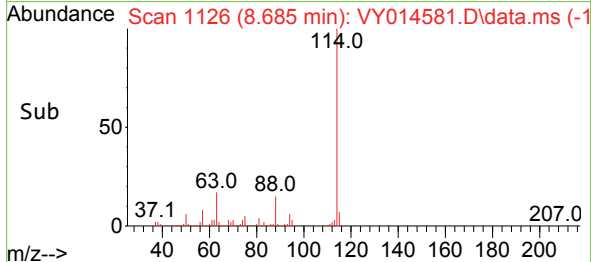
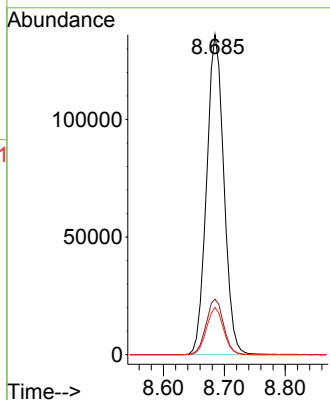
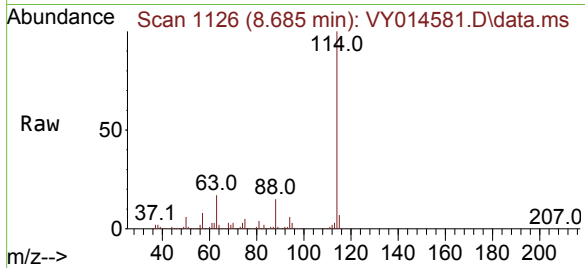




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY014581.D  
Acq: 06 Jul 2023 12:19

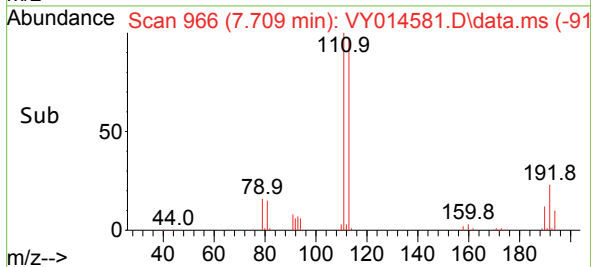
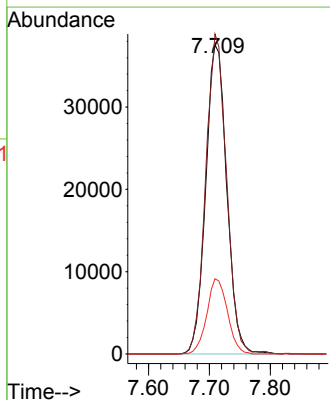
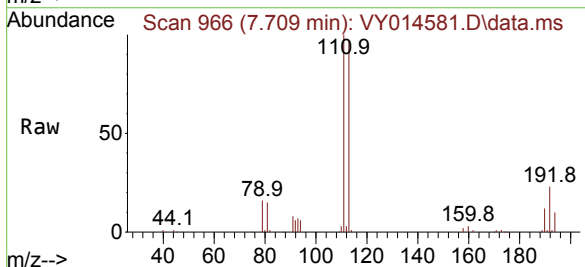
Instrument :  
MSVOA\_Y  
ClientSampleId :

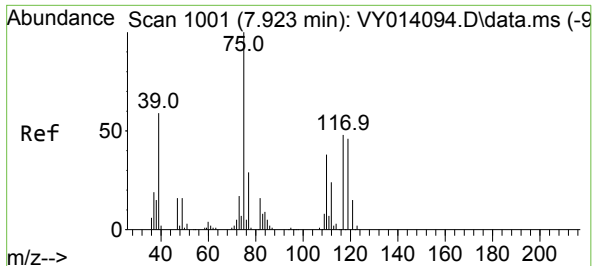
Tgt Ion:114 Resp: 267840  
Ion Ratio Lower Upper  
114 100  
63 17.3 0.0 42.4  
88 14.7 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 54.704 ug/l  
RT: 7.709 min Scan# 966  
Delta R.T. -0.007 min  
Lab File: VY014581.D  
Acq: 06 Jul 2023 12:19

Tgt Ion:113 Resp: 90228  
Ion Ratio Lower Upper  
113 100  
111 102.0 81.3 121.9  
192 23.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.583 ug/l

RT: 7.782 min Scan# 91

Delta R.T. -0.141 min

Lab File: VY014581.D

Acq: 06 Jul 2023 12:19

Instrument :

MSVOA\_Y

ClientSampleId :

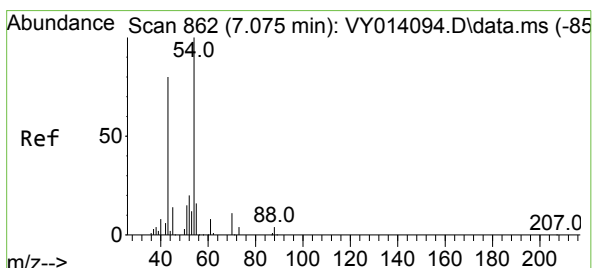
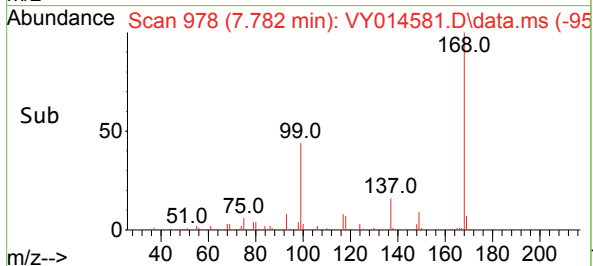
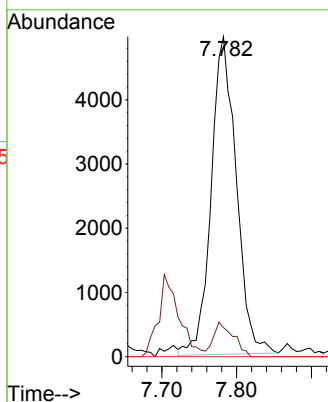
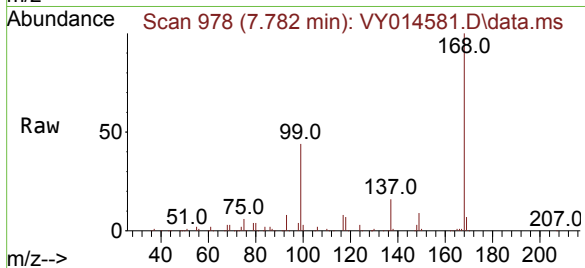
Tgt Ion: 75 Resp: 11576

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.751 ug/l

RT: 6.965 min Scan# 844

Delta R.T. -0.110 min

Lab File: VY014581.D

Acq: 06 Jul 2023 12:19

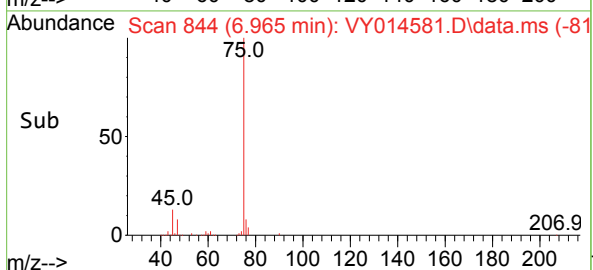
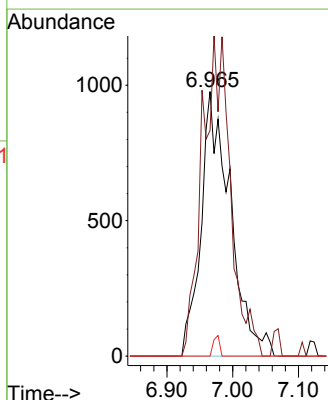
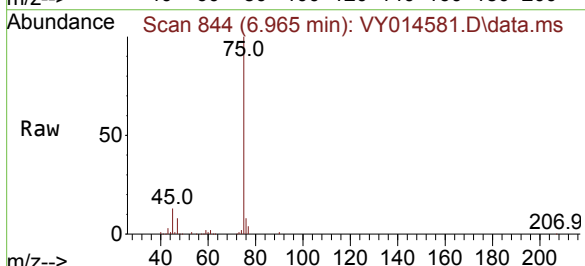
Tgt Ion: 43 Resp: 3033

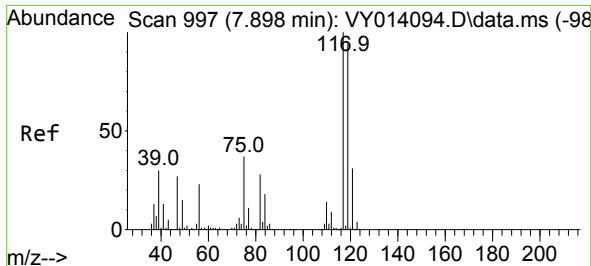
Ion Ratio Lower Upper

43 100

61 116.3 10.1 15.1#

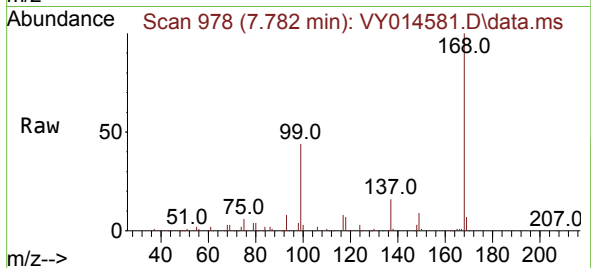
70 1.6 7.1 10.7#



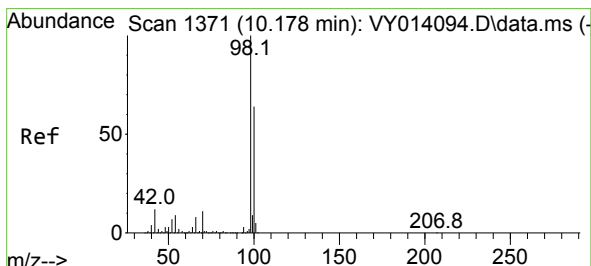
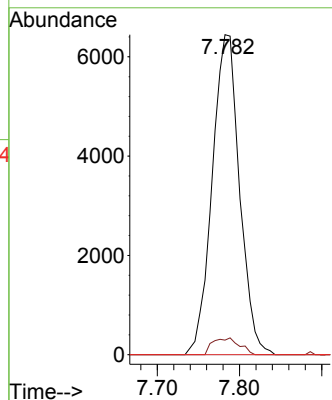
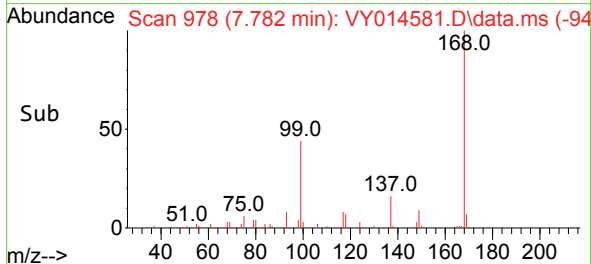


#38  
Carbon Tetrachloride  
Concen: 5.651 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY014581.D  
Acq: 06 Jul 2023 12:19

Instrument :  
MSVOA\_Y  
ClientSampleId :

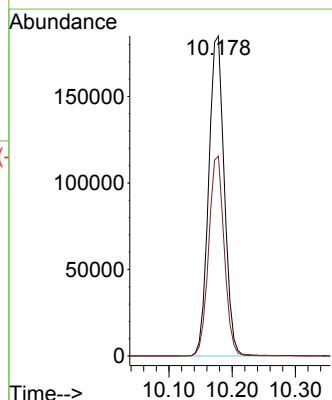
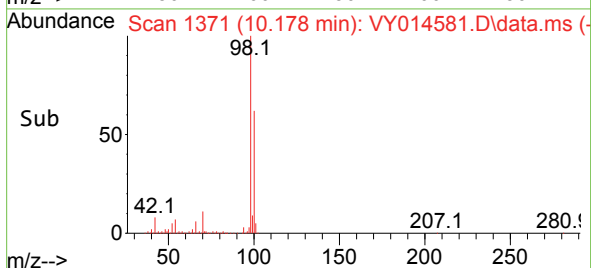
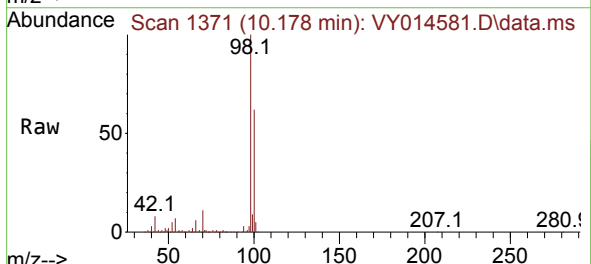


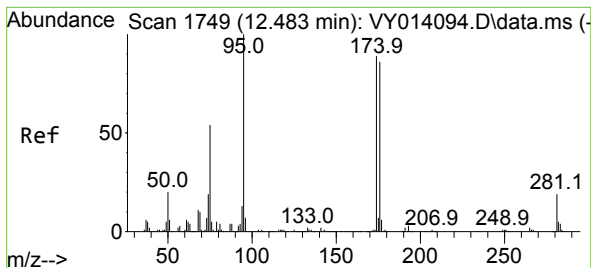
Tgt Ion:117 Resp: 14901  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 48.791 ug/l  
RT: 10.178 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY014581.D  
Acq: 06 Jul 2023 12:19

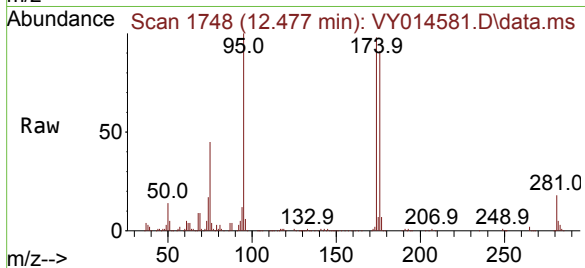
Tgt Ion: 98 Resp: 318126  
Ion Ratio Lower Upper  
98 100  
100 62.0 50.1 75.1



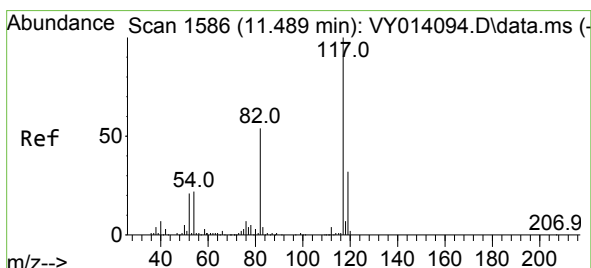
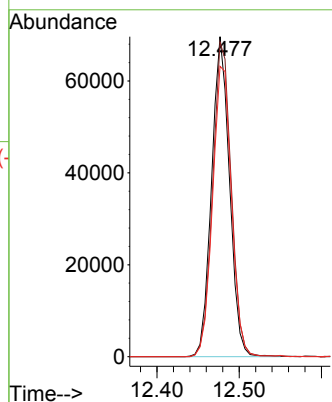
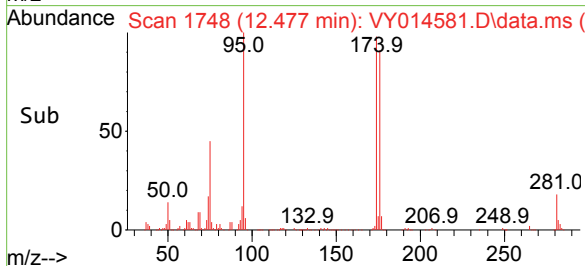


#62  
4-Bromofluorobenzene  
Concen: 46.536 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY014581.D  
Acq: 06 Jul 2023 12:19

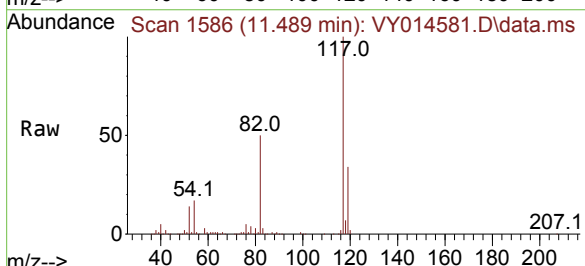
Instrument :  
MSVOA\_Y  
ClientSampleId :



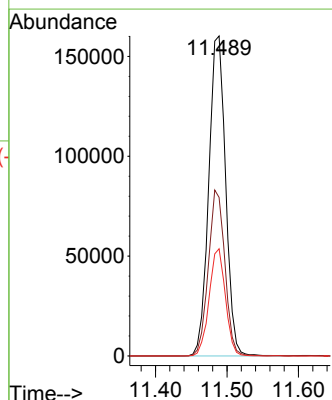
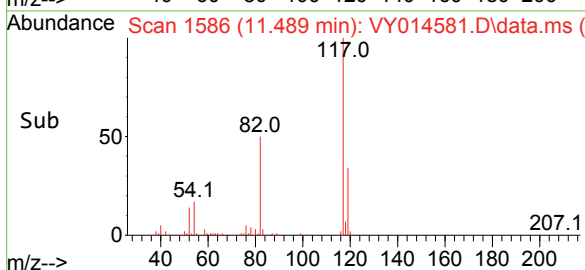
Tgt Ion: 95 Resp: 105360  
Ion Ratio Lower Upper  
95 100  
174 102.2 0.0 178.2  
176 96.0 0.0 173.8

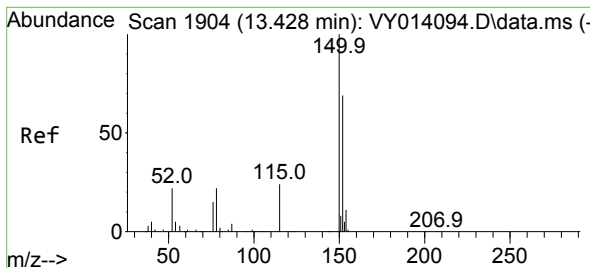


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY014581.D  
Acq: 06 Jul 2023 12:19



Tgt Ion: 117 Resp: 262136  
Ion Ratio Lower Upper  
117 100  
82 49.5 43.4 65.0  
119 33.5 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014581.D

Acq: 06 Jul 2023 12:19

Instrument :

MSVOA\_Y

ClientSampleId :

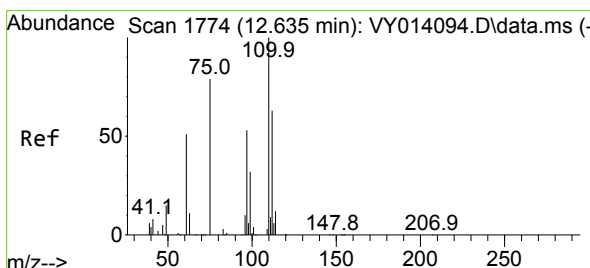
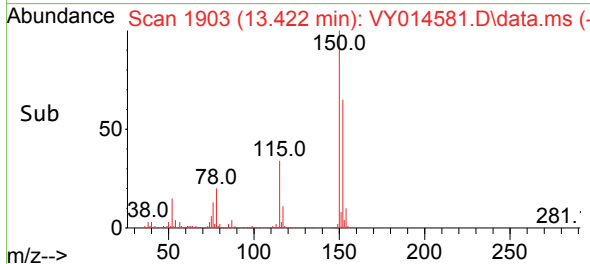
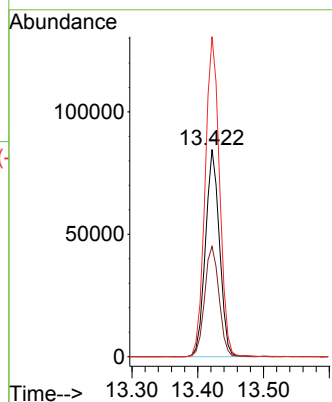
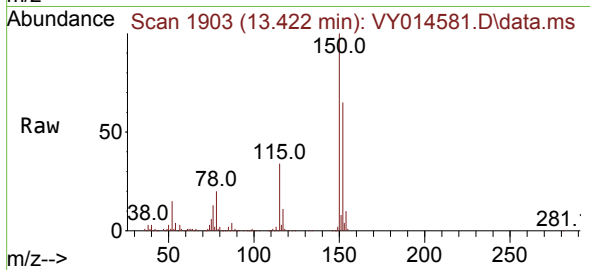
Tgt Ion:152 Resp: 125438

Ion Ratio Lower Upper

152 100

115 54.5 28.8 86.5

150 158.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 33.297 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014581.D

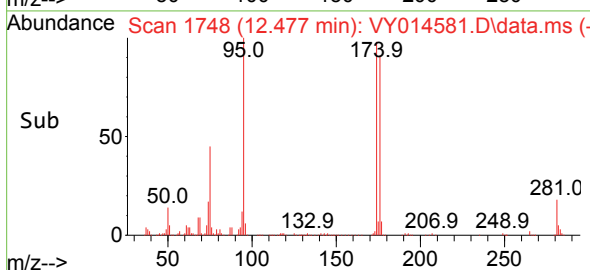
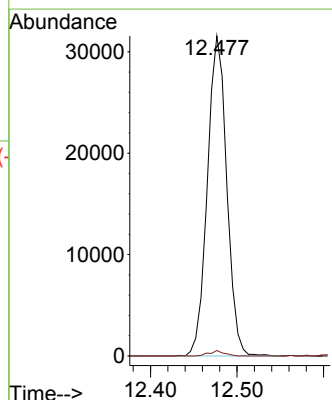
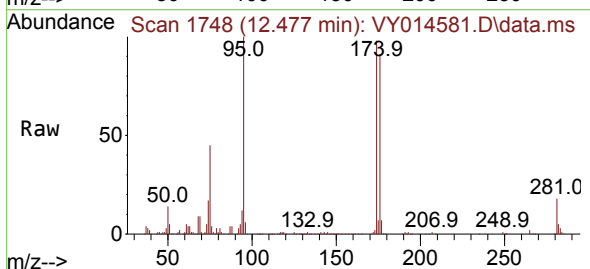
Acq: 06 Jul 2023 12:19

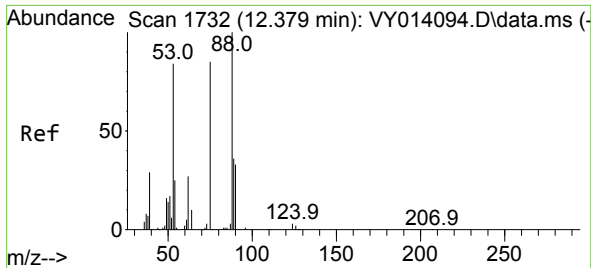
Tgt Ion: 75 Resp: 49012

Ion Ratio Lower Upper

75 100

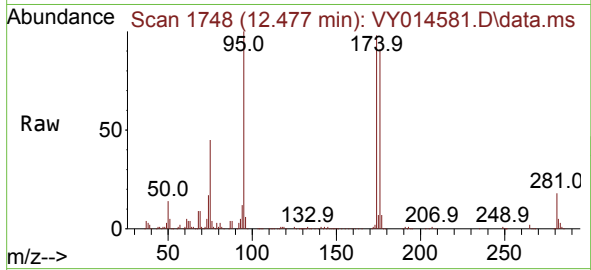
77 1.3 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.810 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.098 min  
Lab File: VY014581.D  
Acq: 06 Jul 2023 12:19

Instrument :  
MSVOA\_Y  
ClientSampleId :



| Tgt Ion: | 75    | Resp: | 49012  |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.1   | 77.8  | 116.8# |
| 89       | 0.0   | 37.4  | 56.0#  |

