

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113023\  
 Data File : VY016546.D  
 Acq On : 30 Nov 2023 11:40  
 Operator : SY/MD  
 Sample : 05576-01  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 01 00:58:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 30 03:28:04 2023  
 Response via : Initial Calibration

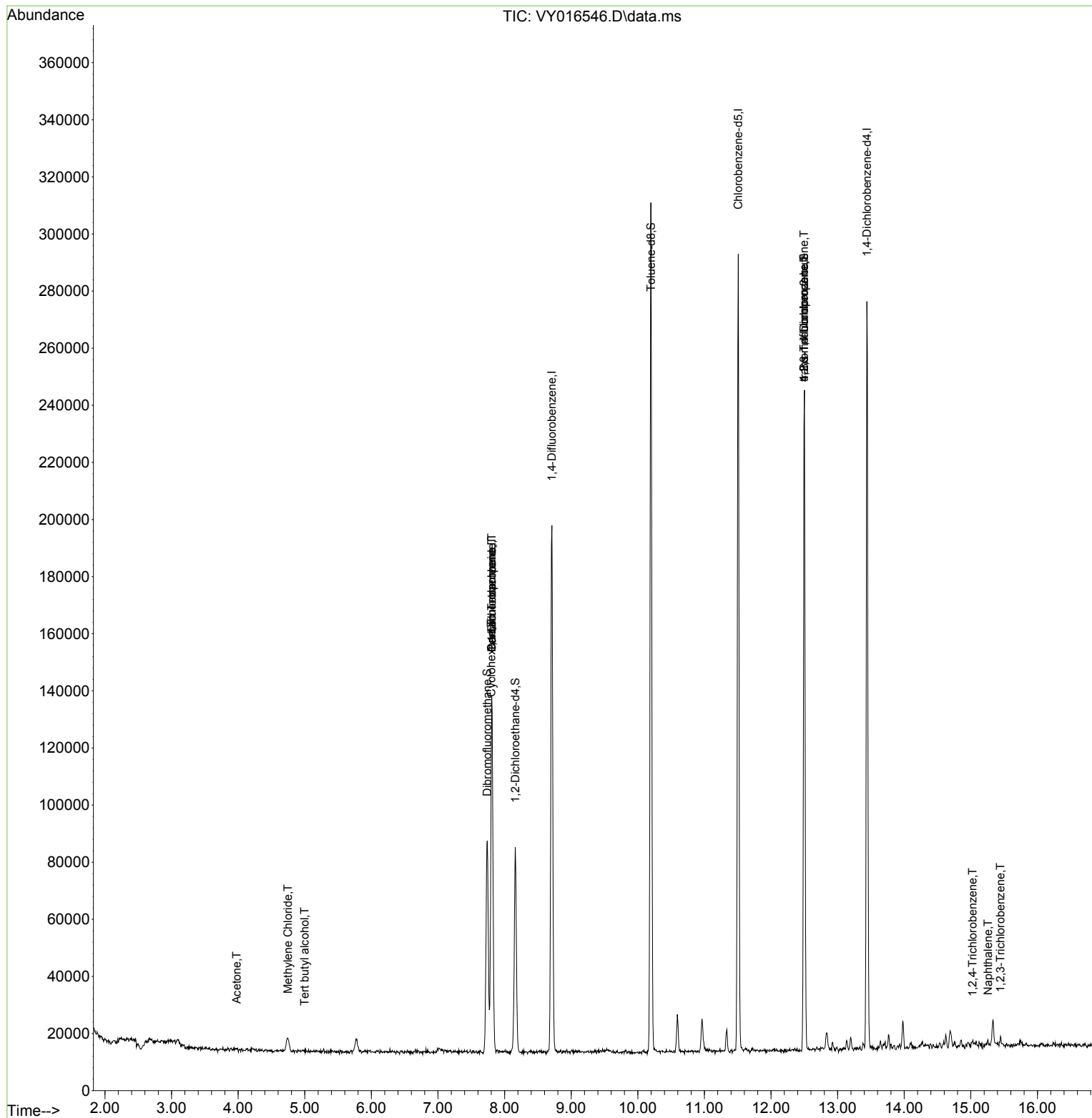
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.807  | 168   | 103141   | 50.000   | ug/l       | -0.01    |
| 34) 1,4-Difluorobenzene       | 8.709  | 114   | 174988   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.508 | 117   | 165184   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.440 | 152   | 74808    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.161  | 65    | 55998    | 68.721   | ug/l       | -0.01    |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 137.440% |          |
| 35) Dibromofluoromethane      | 7.740  | 113   | 54910    | 53.465   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 106.940% |          |
| 50) Toluene-d8                | 10.197 | 98    | 201926   | 50.693   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 101.380% |          |
| 62) 4-Bromofluorobenzene      | 12.495 | 95    | 67293    | 53.852   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 107.700% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.996  | 59    | 114      | 2.207    | ug/l #     | 89       |
| 16) Acetone                   | 3.978  | 43    | 782      | 9.779    | ug/l #     | 82       |
| 20) Methylene Chloride        | 4.747  | 84    | 4461     | 2.106    | ug/l #     | 78       |
| 31) Cyclohexane               | 7.801  | 56    | 1565     | 1.094    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.807  | 75    | 6743     | 4.446    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.807  | 117   | 9618     | 5.403    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.495 | 75    | 32698    | 52.058   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.495 | 75    | 32698    | 113.536  | ug/l #     | 10       |
| 93) 1,2,4-Trichlorobenzene    | 15.025 | 180   | 859      | 4.029    | ug/l #     | 84       |
| 95) Naphthalene               | 15.257 | 128   | 2222     | 5.796    | ug/l       | 95       |
| 96) 1,2,3-Trichlorobenzene    | 15.446 | 180   | 802      | 4.798    | ug/l #     | 88       |
| -----                         |        |       |          |          |            |          |

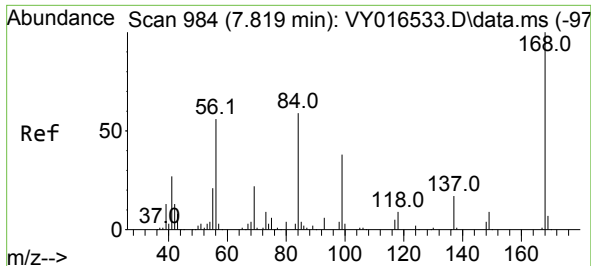
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113023\  
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Sample : 05576-01  
Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

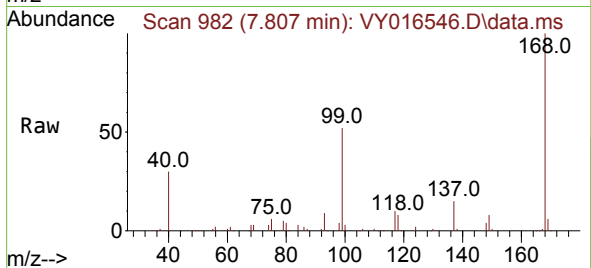
Quant Time: Dec 01 00:58:08 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112923S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 30 03:28:04 2023  
Response via : Initial Calibration



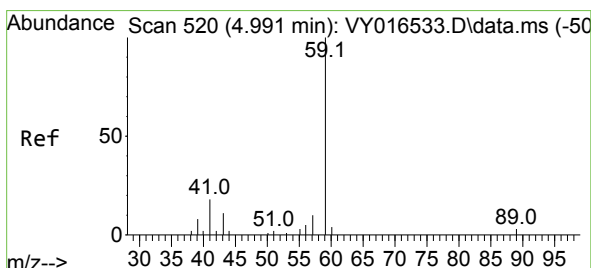
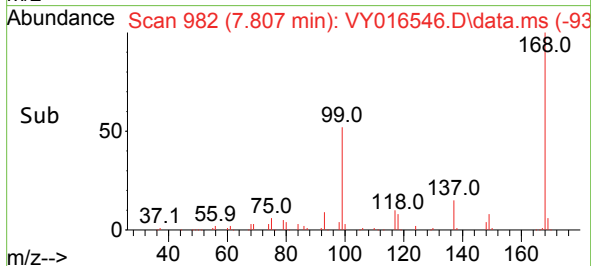
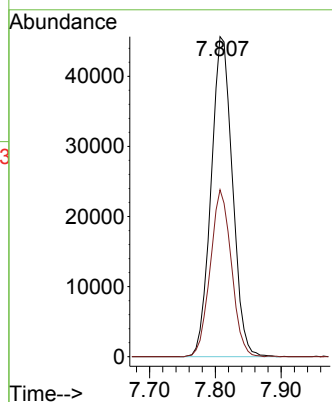


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

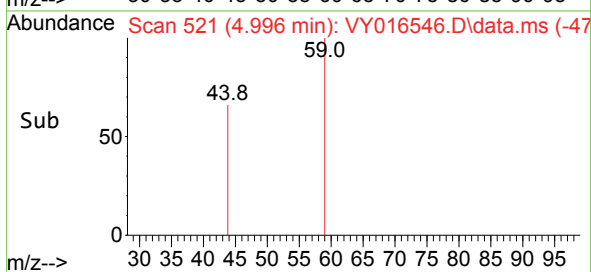
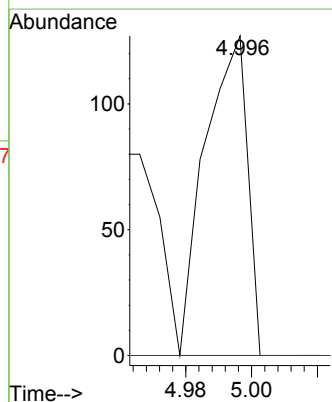
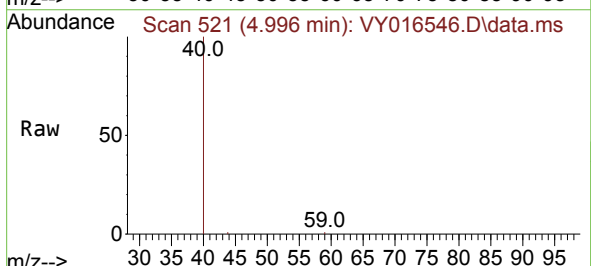


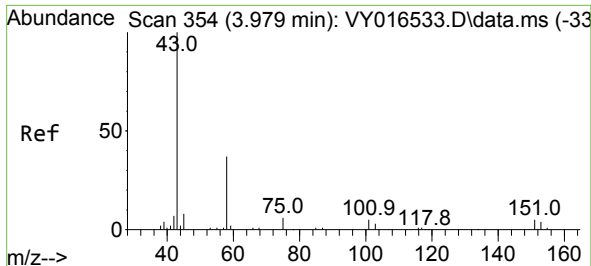
Tgt Ion:168 Resp: 103141  
Ion Ratio Lower Upper  
168 100  
99 52.1 43.4 65.0



#11  
Tert butyl alcohol  
Concen: 2.207 ug/l  
RT: 4.996 min Scan# 521  
Delta R.T. 0.006 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40

Tgt Ion: 59 Resp: 114  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#

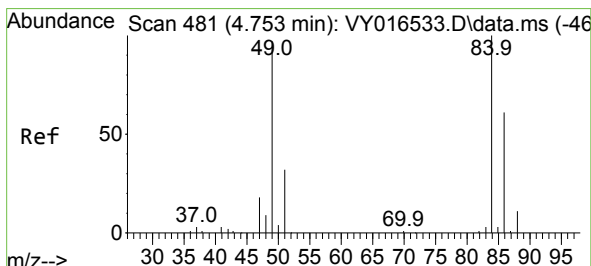
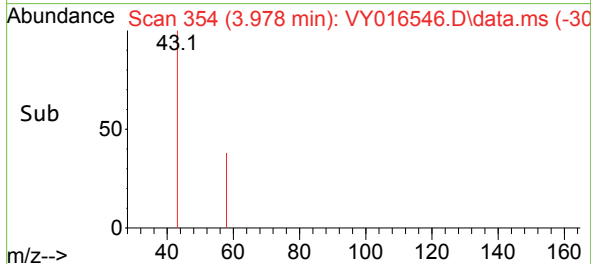
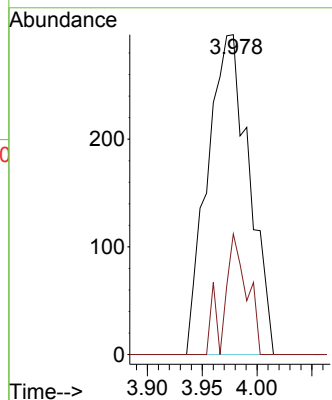
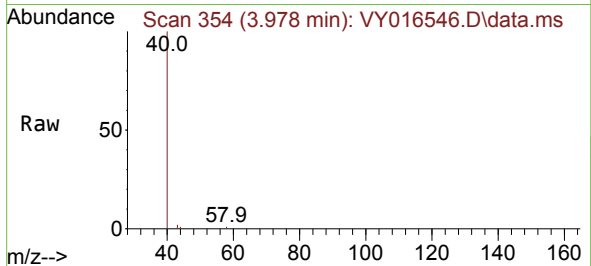




#16  
Acetone  
Concen: 9.779 ug/l  
RT: 3.978 min Scan# 31  
Delta R.T. -0.001 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40

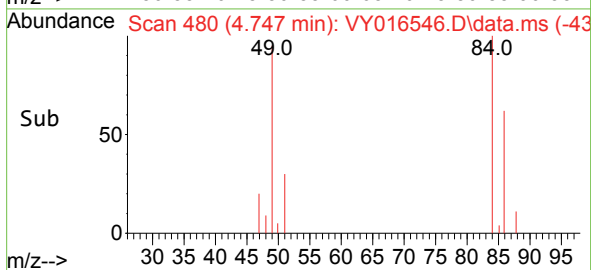
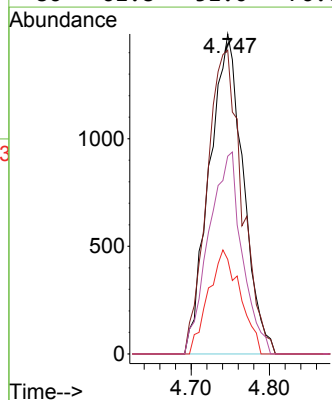
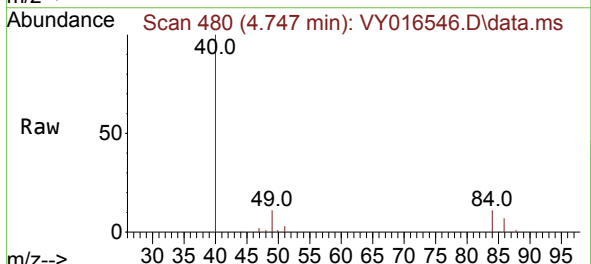
Instrument :  
MSVOA\_Y  
ClientSampleId :

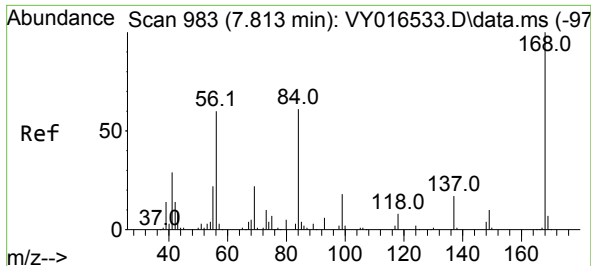
Tgt Ion: 43 Resp: 782  
Ion Ratio Lower Upper  
43 100  
58 37.7 22.7 34.1#



#20  
Methylene Chloride  
Concen: 2.106 ug/l  
RT: 4.747 min Scan# 480  
Delta R.T. -0.006 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40

Tgt Ion: 84 Resp: 4461  
Ion Ratio Lower Upper  
84 100  
49 95.0 106.9 160.3#  
51 29.5 33.2 49.8#  
86 61.8 51.0 76.6

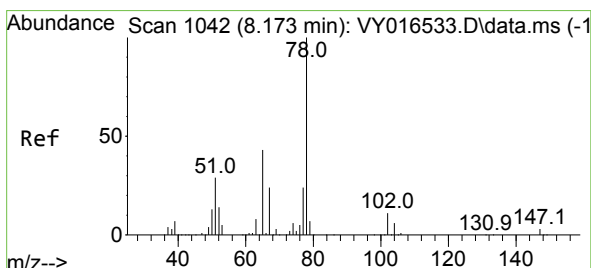
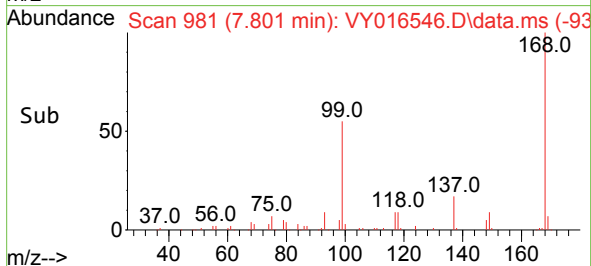
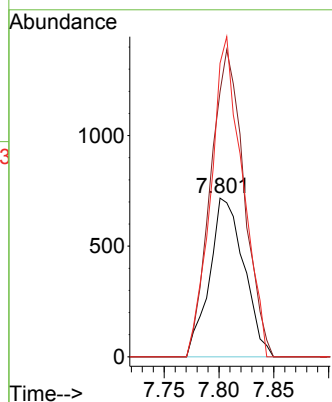
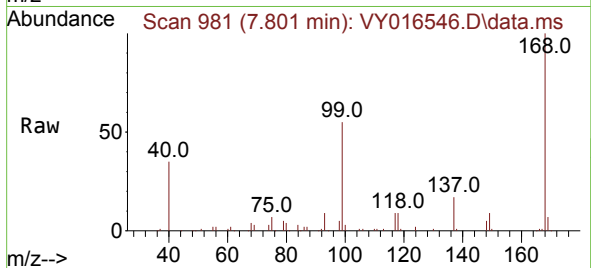




#31  
Cyclohexane  
Concen: 1.094 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40

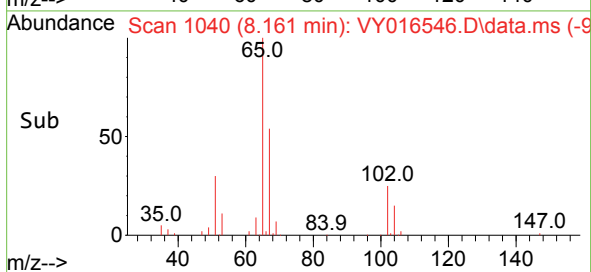
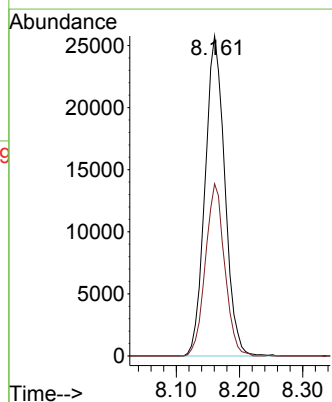
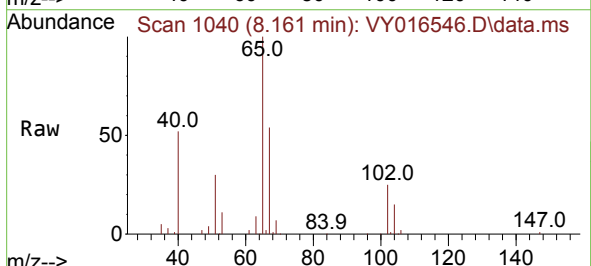
Instrument :  
MSVOA\_Y  
ClientSampleId :

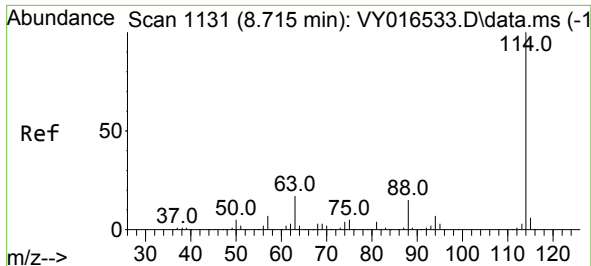
Tgt Ion: 56 Resp: 1565  
Ion Ratio Lower Upper  
56 100  
69 167.1 27.8 41.6#  
84 198.7 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 68.721 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. -0.012 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40

Tgt Ion: 65 Resp: 55998  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY016546.D

Acq: 30 Nov 2023 11:40

Instrument :

MSVOA\_Y

ClientSampleId :

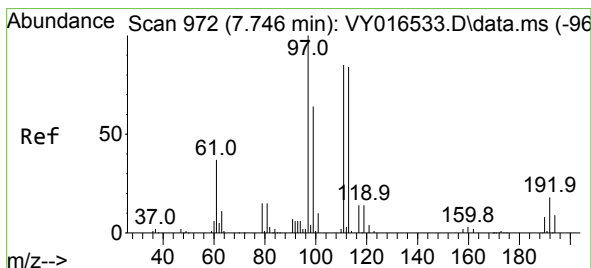
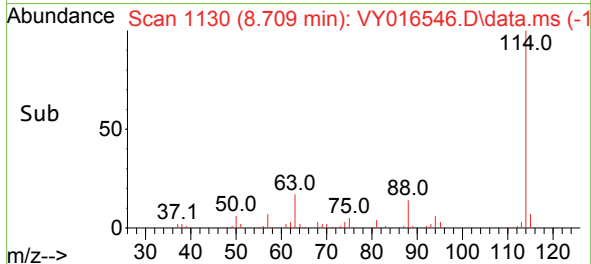
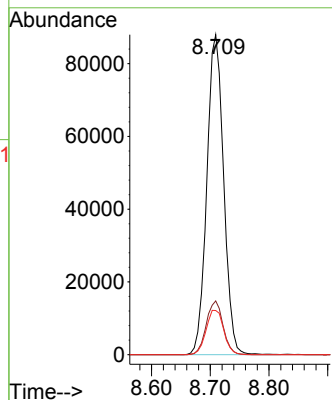
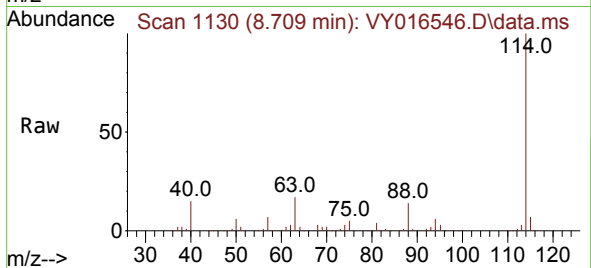
Tgt Ion:114 Resp: 174988

Ion Ratio Lower Upper

114 100

63 16.8 0.0 42.4

88 13.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.465 ug/l

RT: 7.740 min Scan# 971

Delta R.T. -0.006 min

Lab File: VY016546.D

Acq: 30 Nov 2023 11:40

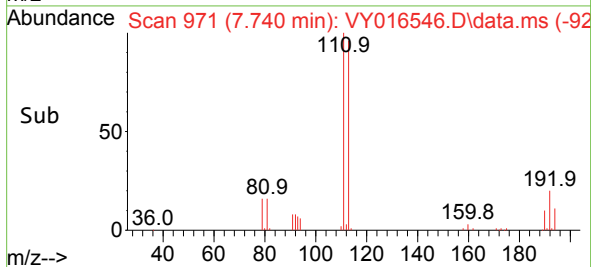
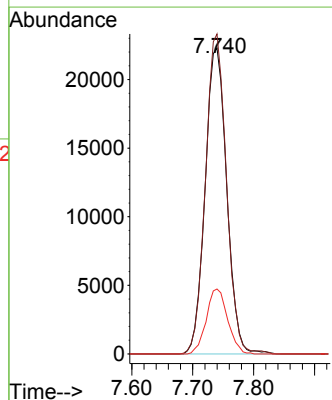
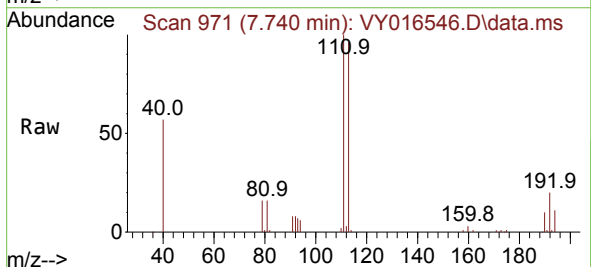
Tgt Ion:113 Resp: 54910

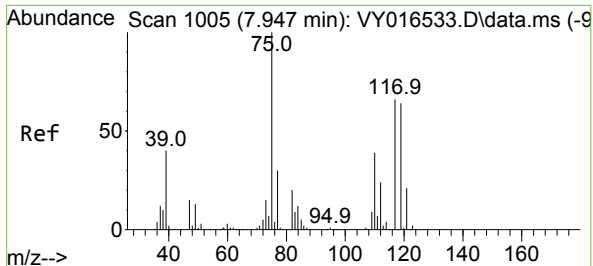
Ion Ratio Lower Upper

113 100

111 101.8 81.3 121.9

192 21.0 16.9 25.3

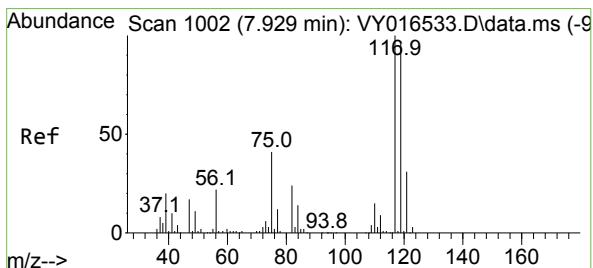
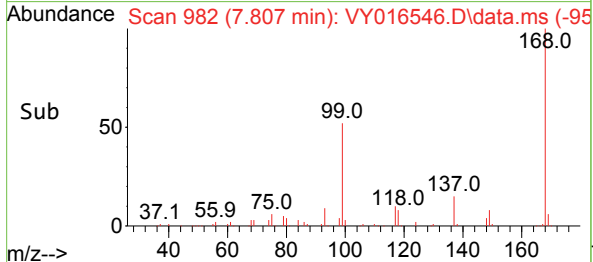
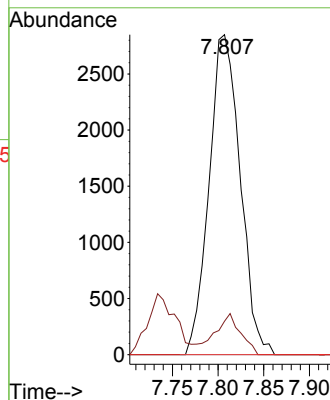
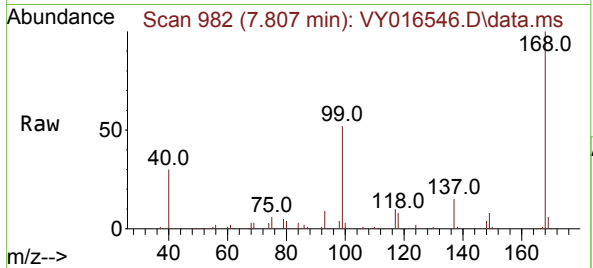




#36  
1,1-Dichloropropene  
Concen: 4.446 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. -0.140 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40

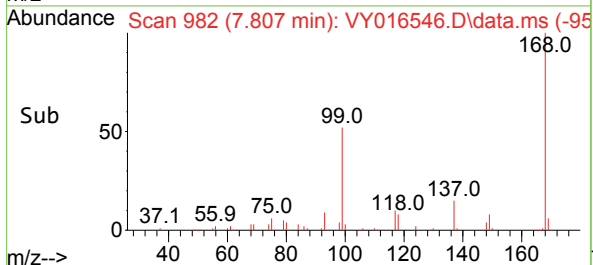
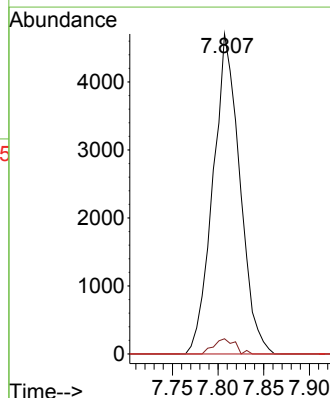
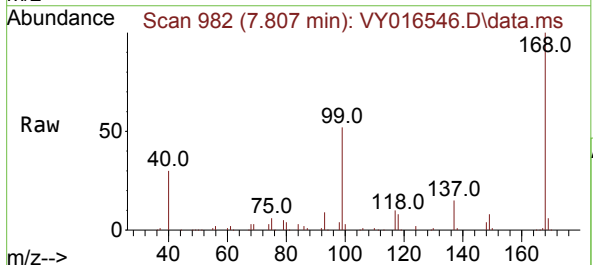
Instrument :  
MSVOA\_Y  
ClientSampleId :

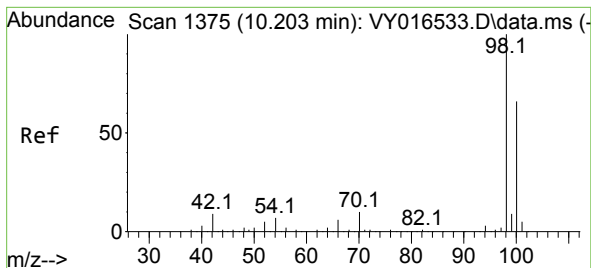
Tgt Ion: 75 Resp: 6743  
Ion Ratio Lower Upper  
75 100  
110 10.5 17.8 53.5#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 5.403 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. -0.122 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40

Tgt Ion: 117 Resp: 9618  
Ion Ratio Lower Upper  
117 100  
119 4.8 76.4 114.6#  
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.693 ug/l

RT: 10.197 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016546.D

Acq: 30 Nov 2023 11:40

Instrument :

MSVOA\_Y

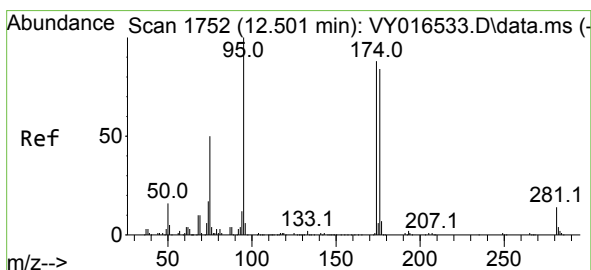
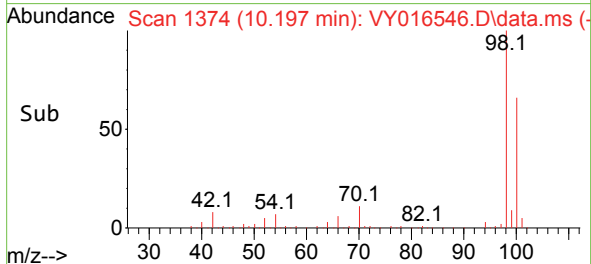
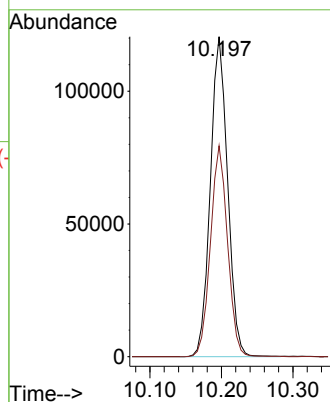
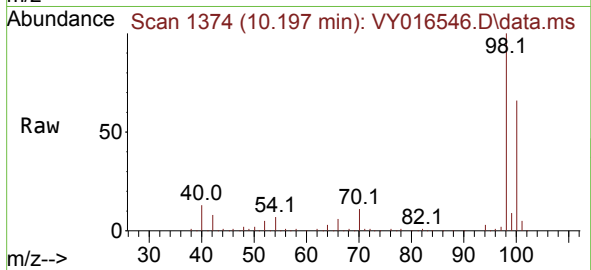
ClientSampleId :

Tgt Ion: 98 Resp: 201926

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 53.852 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.006 min

Lab File: VY016546.D

Acq: 30 Nov 2023 11:40

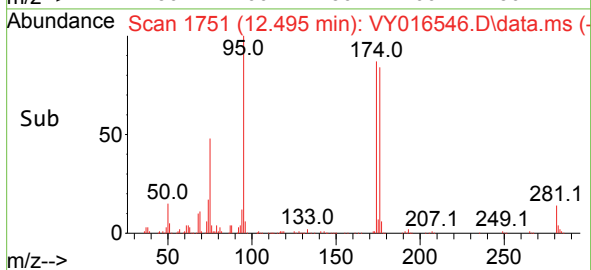
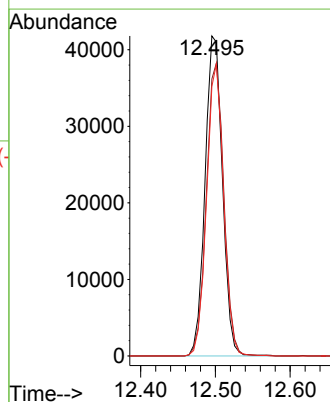
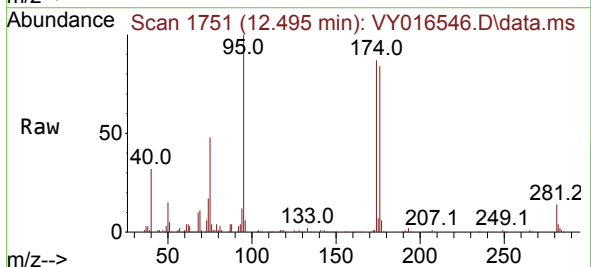
Tgt Ion: 95 Resp: 67293

Ion Ratio Lower Upper

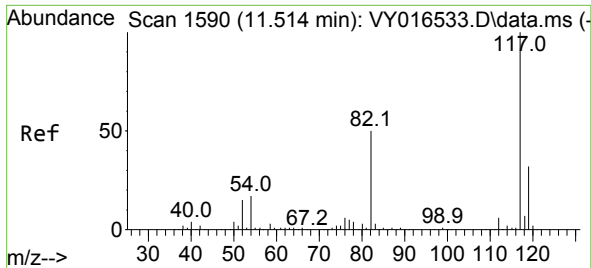
95 100

174 92.6 0.0 178.2

176 89.3 0.0 173.8

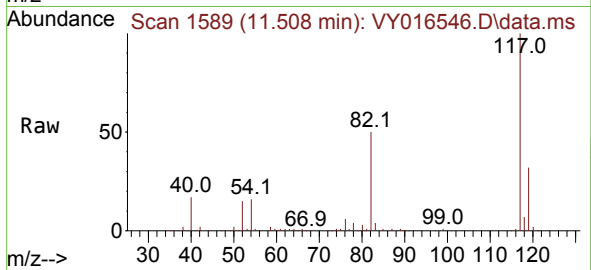




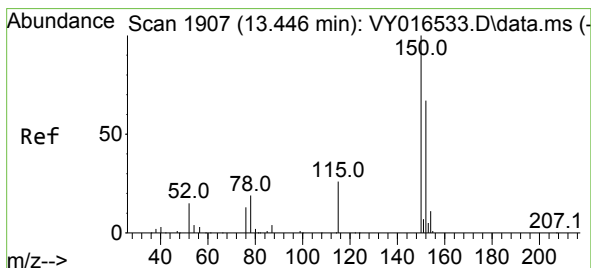
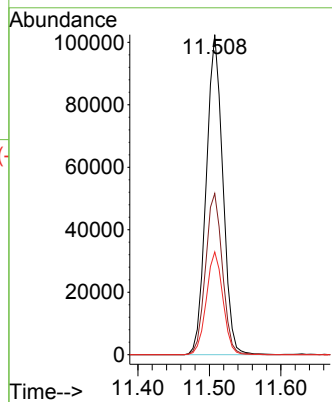
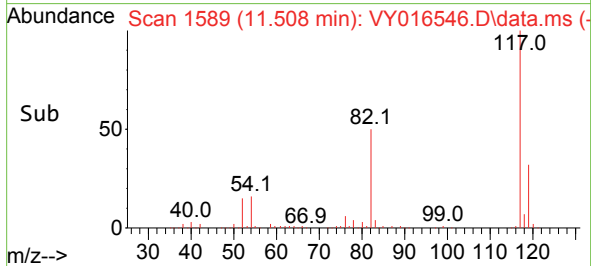


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.508 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40

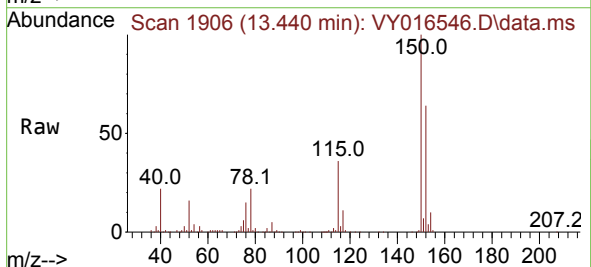
Instrument :  
MSVOA\_Y  
ClientSampleId :



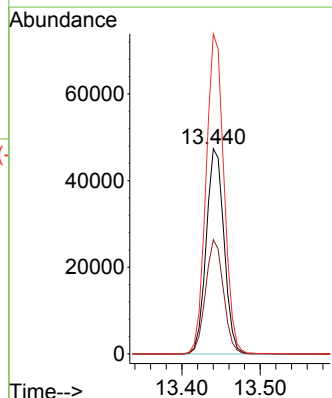
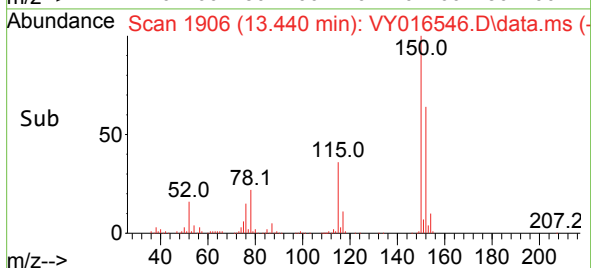
Tgt Ion:117 Resp: 165184  
Ion Ratio Lower Upper  
117 100  
82 50.3 43.4 65.0  
119 32.1 26.3 39.5

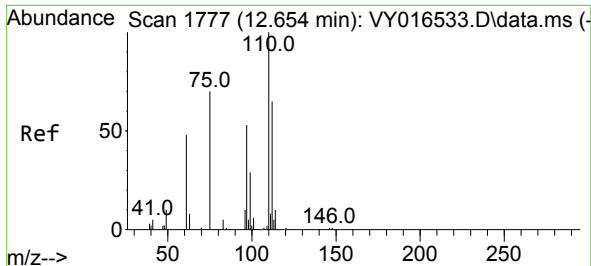


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.440 min Scan# 1906  
Delta R.T. -0.006 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40



Tgt Ion:152 Resp: 74808  
Ion Ratio Lower Upper  
152 100  
115 55.9 28.8 86.5  
150 156.3 0.0 348.8

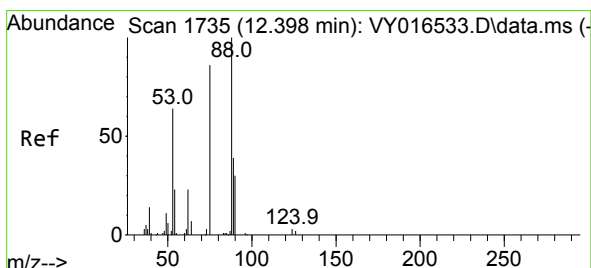
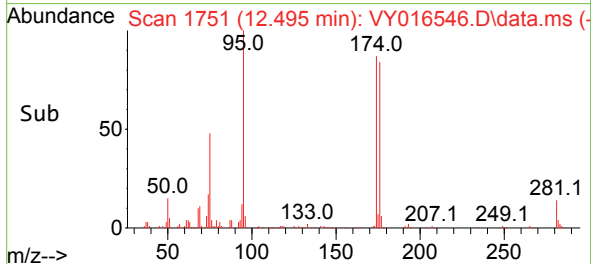
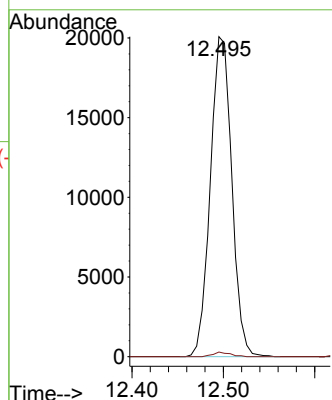
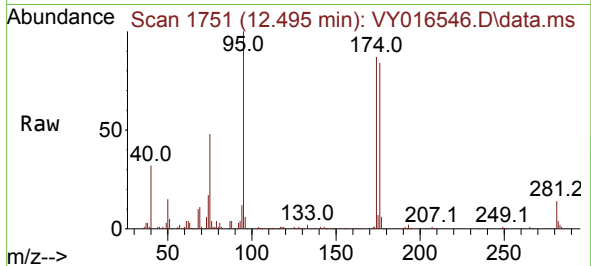




#76  
1,2,3-Trichloropropane  
Concen: 52.058 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. -0.159 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40

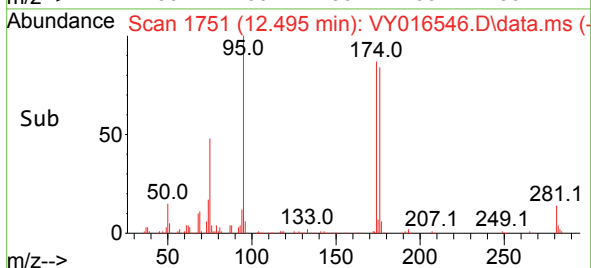
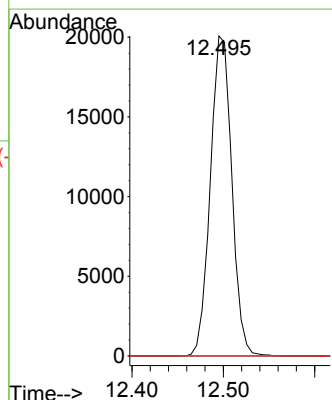
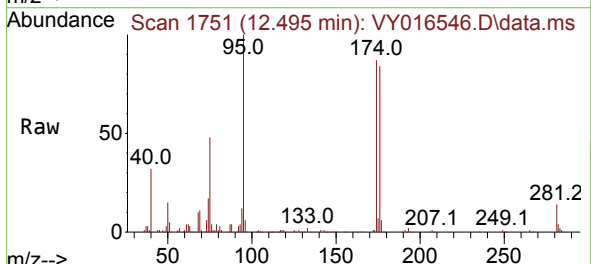
Instrument :  
MSVOA\_Y  
ClientSampleId :

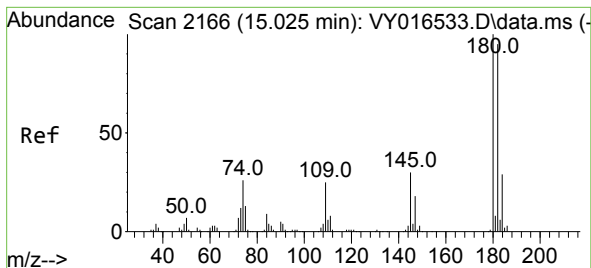
Tgt Ion: 75 Resp: 32698  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 113.536 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.097 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40

Tgt Ion: 75 Resp: 32698  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.0 37.4 56.0#

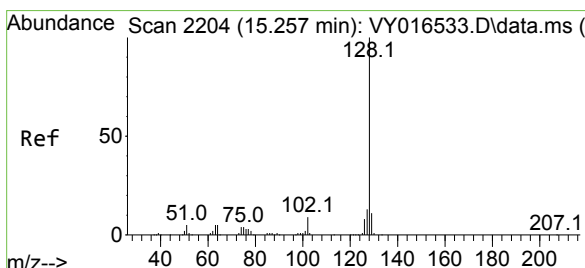
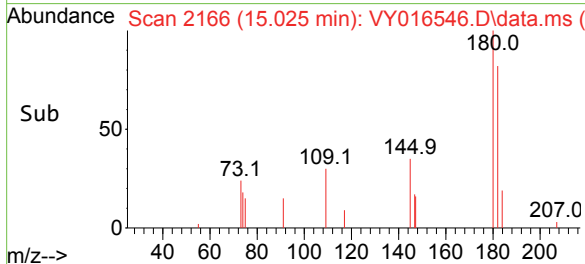
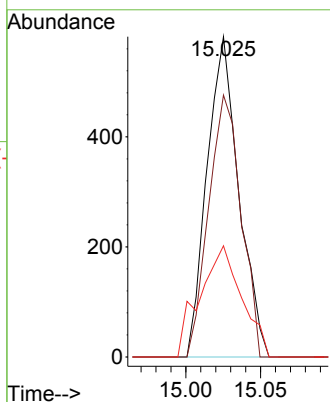
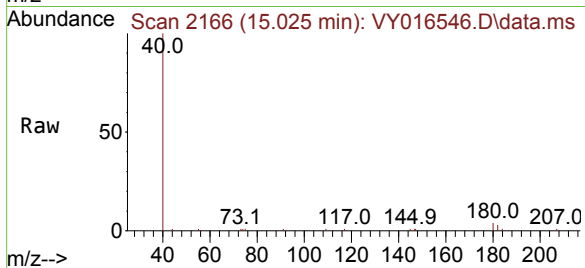




#93  
1,2,4-Trichlorobenzene  
Concen: 4.029 ug/l  
RT: 15.025 min Scan# 2166  
Delta R.T. 0.000 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40

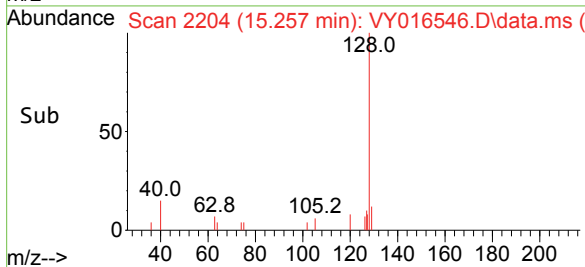
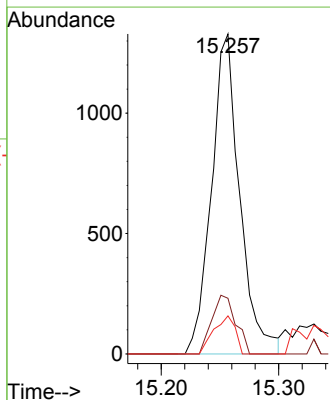
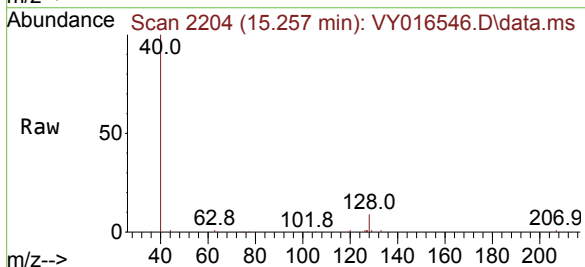
Instrument :  
MSVOA\_Y  
ClientSampleId :

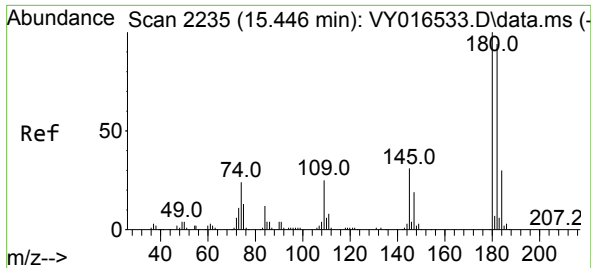
Tgt Ion:180 Resp: 859  
Ion Ratio Lower Upper  
180 100  
182 83.4 47.0 141.2  
145 45.6 14.5 43.5#



#95  
Naphthalene  
Concen: 5.796 ug/l  
RT: 15.257 min Scan# 2204  
Delta R.T. -0.000 min  
Lab File: VY016546.D  
Acq: 30 Nov 2023 11:40

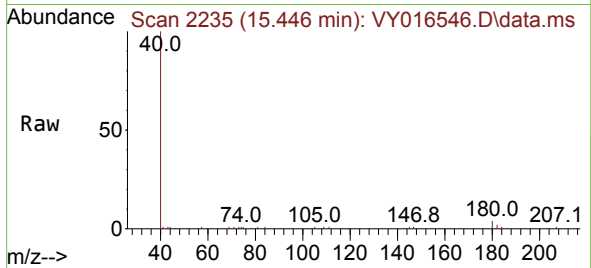
Tgt Ion:128 Resp: 2222  
Ion Ratio Lower Upper  
128 100  
127 15.5 10.8 16.2  
129 9.0 8.6 13.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 4.798 ug/l  
 RT: 15.446 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VY016546.D  
 Acq: 30 Nov 2023 11:40

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion:180 Resp: 802  
 Ion Ratio Lower Upper  
 180 100  
 182 98.0 47.3 141.8  
 145 51.5 15.4 46.2#

