

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092922\  
 Data File : VY010735.D  
 Acq On : 29 Sep 2022 16:45  
 Operator : KP/MD  
 Sample : N4868-02  
 Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ROLL-OFF-349-ETGI

Quant Time: Sep 30 08:23:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

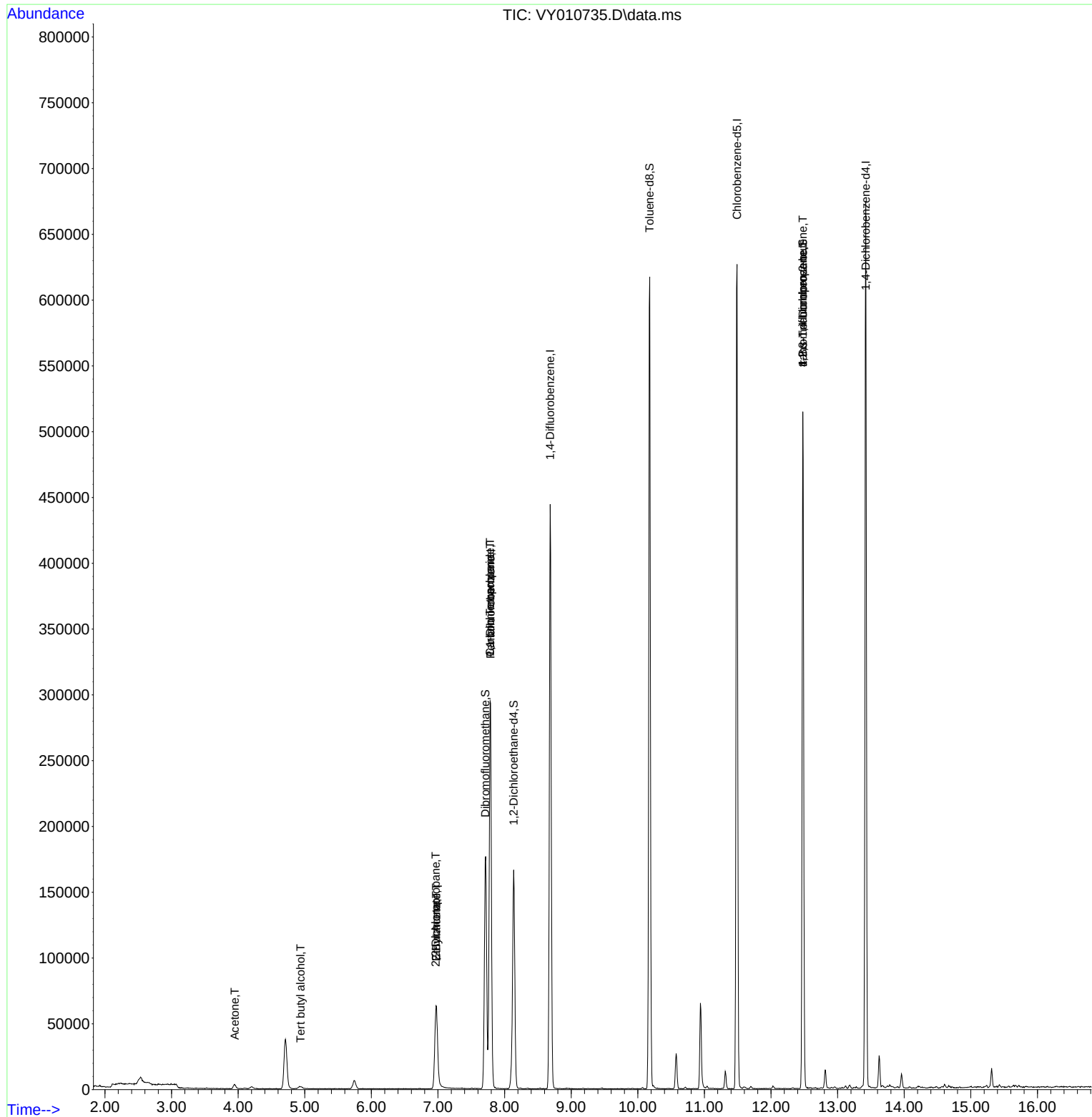
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 232348   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 379389   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 347191   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 167571   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.137  | 65    | 121263   | 54.565    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 109.140% |          |
| 35) Dibromofluoromethane      | 7.710  | 113   | 125502   | 51.833    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 103.660% |          |
| 50) Toluene-d8                | 10.179 | 98    | 406799   | 45.744    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 91.480%  |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 150025   | 44.899    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 89.800%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           |            | Qvalue   |
| 3) Chloromethane              | 2.113  | 50    | 470      | Below Cal |            | 94       |
| 4) Vinyl Chloride             | 2.253  | 62    | 19       | Below Cal | #          | 43       |
| 5) Bromomethane               | 2.650  | 94    | 461      | Below Cal | #          | 78       |
| 11) Tert butyl alcohol        | 4.936  | 59    | 2728     | 2.673     | ug/l #     | 80       |
| 16) Acetone                   | 3.948  | 43    | 5533     | 12.209    | ug/l #     | 88       |
| 17) Carbon Disulfide          | 4.192  | 76    | 213      | Below Cal | #          | 75       |
| 18) Methyl Acetate            | 4.479  | 43    | 65       | Below Cal | #          | 56       |
| 25) 2-Butanone                | 6.972  | 43    | 3801     | 5.362     | ug/l #     | 81       |
| 26) 2,2-Dichloropropane       | 6.966  | 77    | 5033     | 1.494     | ug/l #     | 55       |
| 31) Cyclohexane               | 7.783  | 56    | 4590     | Below Cal | #          | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 17587    | 6.519     | ug/l #     | 51       |
| 37) Ethyl Acetate             | 6.972  | 43    | 3801     | 2.439     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 22723    | 7.325     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 78077    | 48.818    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 78077    | 108.543   | ug/l #     | 7        |
| -----                         |        |       |          |           |            |          |

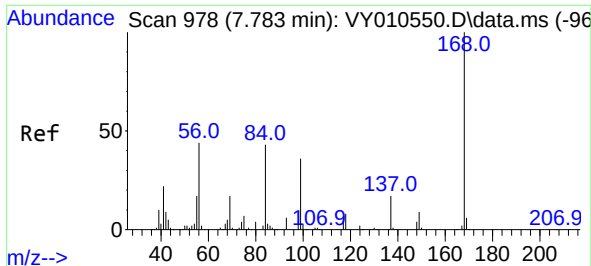
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092922\  
Data File : VY010735.D  
Acq On : 29 Sep 2022 16:45  
Operator : KP/MD  
Sample : N4868-02  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ROLL-OFF-349-ETGI

Quant Time: Sep 30 08:23:03 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 20 01:02:44 2022  
Response via : Initial Calibration

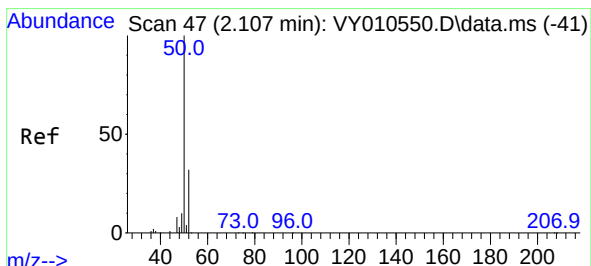
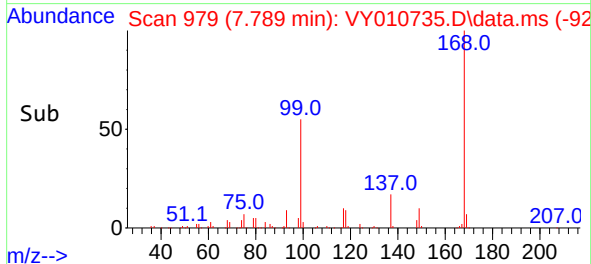
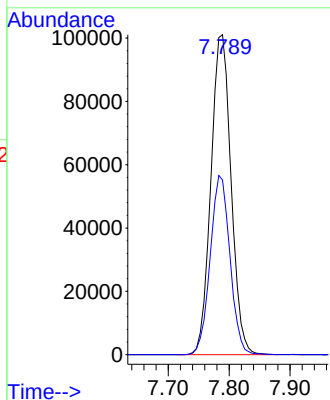
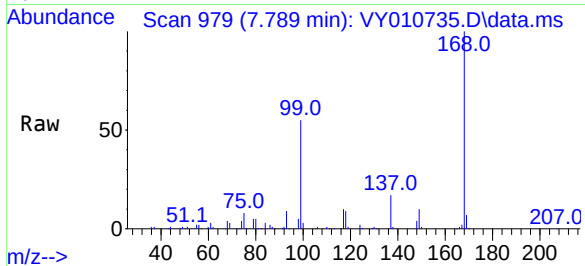




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

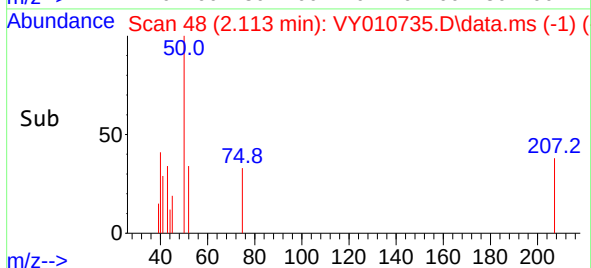
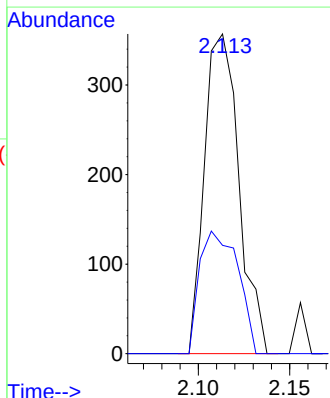
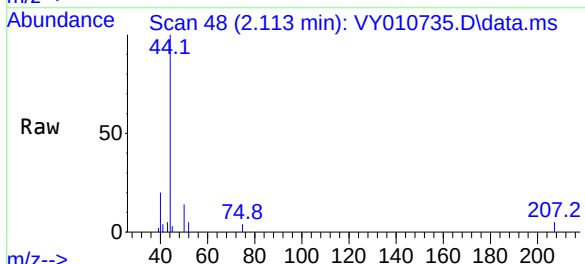
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ROLL-OFF-349-ETGI

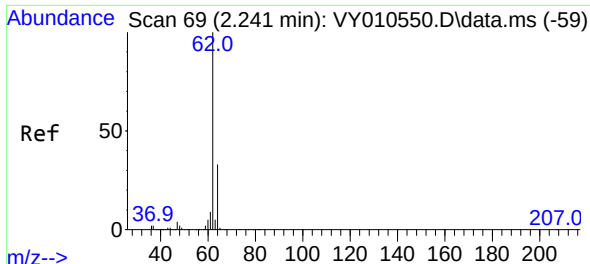
Tgt Ion:168 Resp: 232348  
Ion Ratio Lower Upper  
168 100  
99 54.6 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 48  
Delta R.T. 0.006 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

Tgt Ion: 50 Resp: 470  
Ion Ratio Lower Upper  
50 100  
52 33.9 24.6 37.0

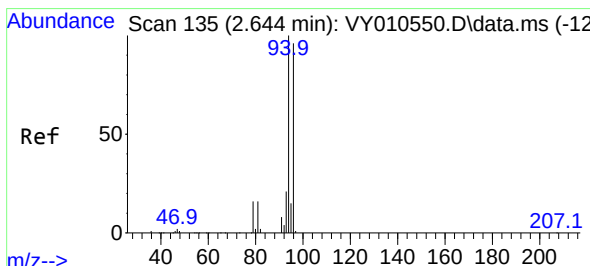
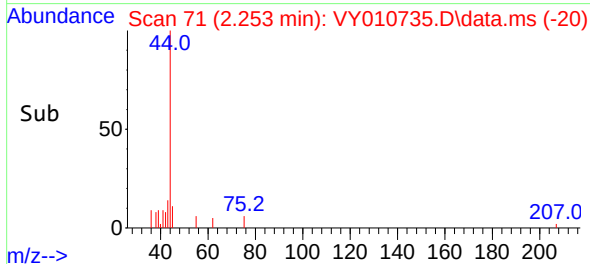
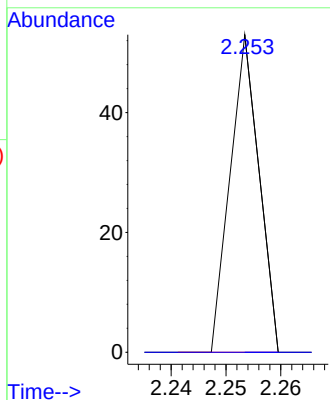
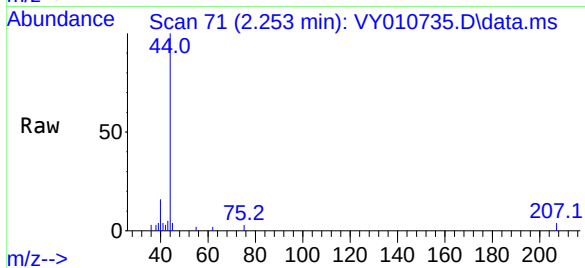




#4  
 Vinyl Chloride  
 Concen: Below Cal  
 RT: 2.253 min Scan# 71  
 Delta R.T. 0.012 min  
 Lab File: VY010735.D  
 Acq: 29 Sep 2022 16:45

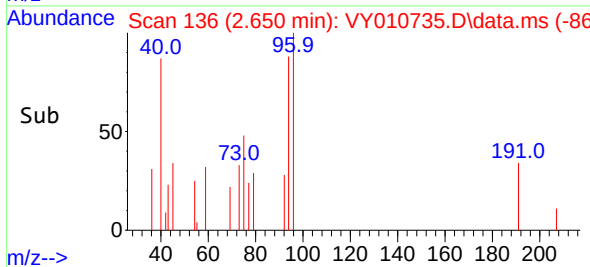
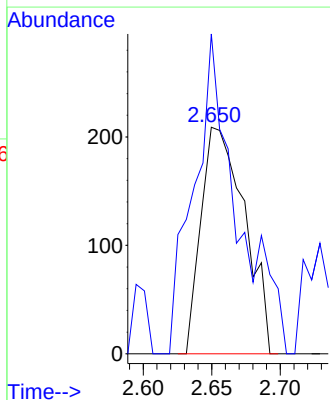
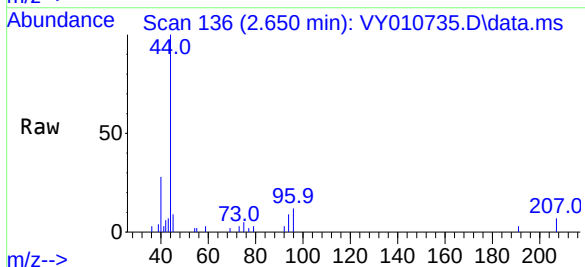
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ROLL-OFF-349-ETGI

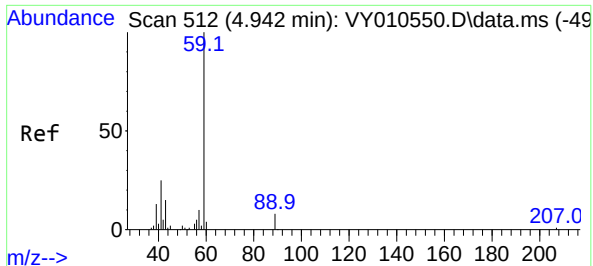
Tgt Ion: 62 Resp: 19  
 Ion Ratio Lower Upper  
 62 100  
 64 0.0 25.0 37.6#



#5  
 Bromomethane  
 Concen: Below Cal  
 RT: 2.650 min Scan# 136  
 Delta R.T. 0.006 min  
 Lab File: VY010735.D  
 Acq: 29 Sep 2022 16:45

Tgt Ion: 94 Resp: 461  
 Ion Ratio Lower Upper  
 94 100  
 96 112.4 73.5 110.3#





#11

Tert butyl alcohol

Concen: 2.673 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY010735.D

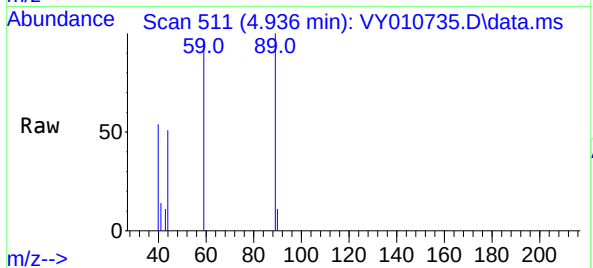
Acq: 29 Sep 2022 16:45

Instrument :

MSVOA\_Y

ClientSampleId :

ROLL-OFF-349-ETGI

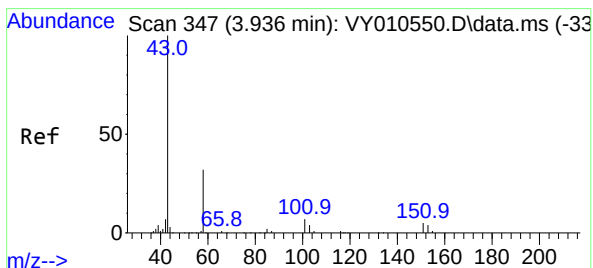
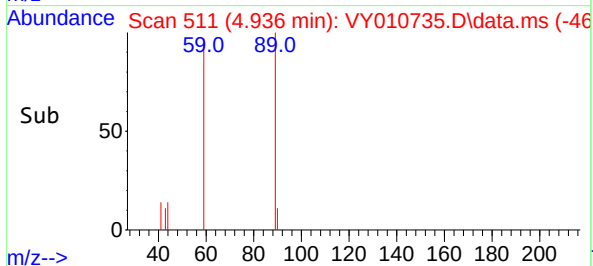
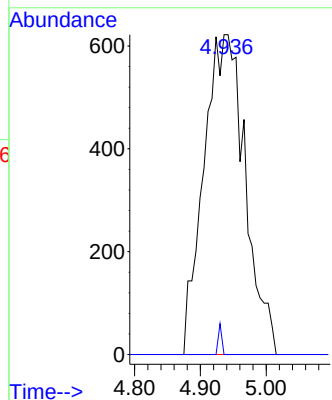


Tgt Ion: 59 Resp: 2728

Ion Ratio Lower Upper

59 100

57 0.8 6.4 9.6#



#16

Acetone

Concen: 12.209 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.012 min

Lab File: VY010735.D

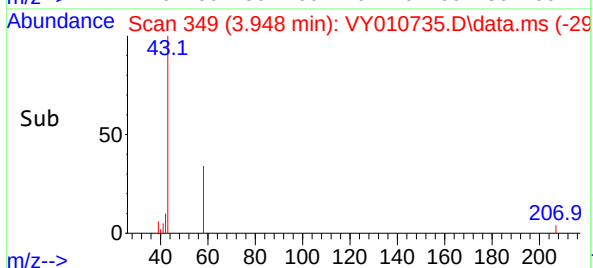
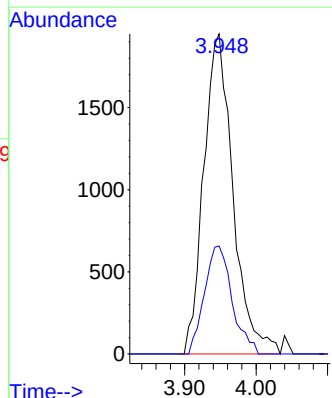
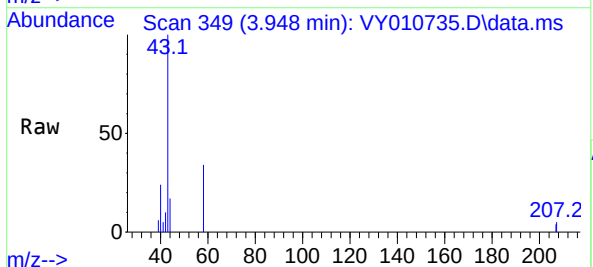
Acq: 29 Sep 2022 16:45

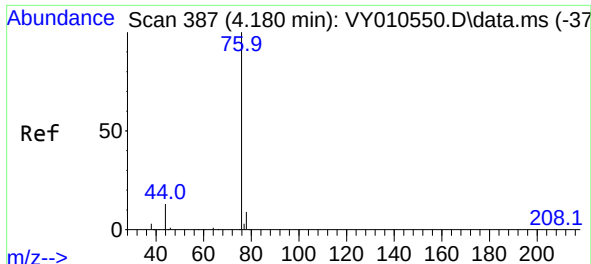
Tgt Ion: 43 Resp: 5533

Ion Ratio Lower Upper

43 100

58 33.8 22.0 33.0#

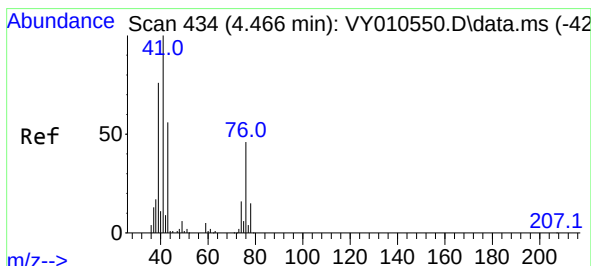
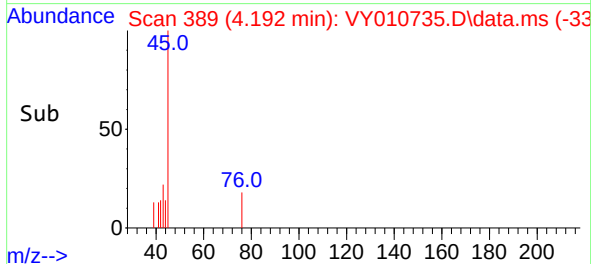
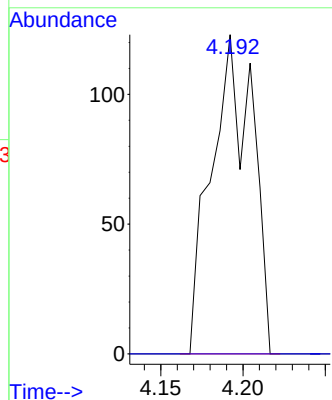
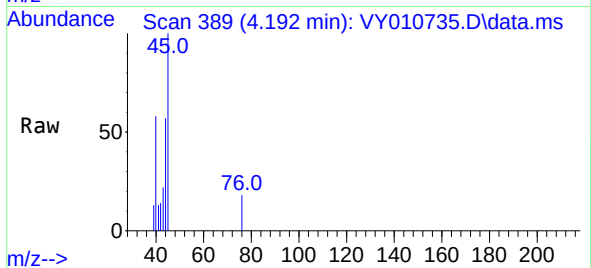




#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.192 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

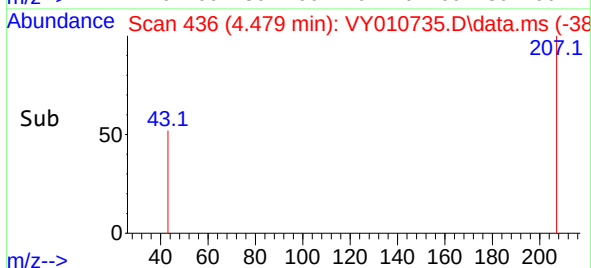
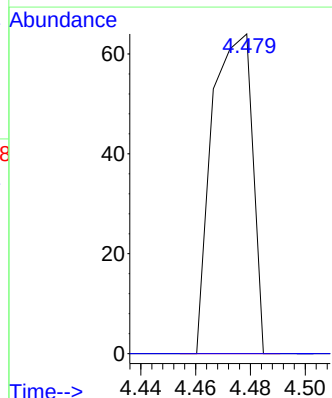
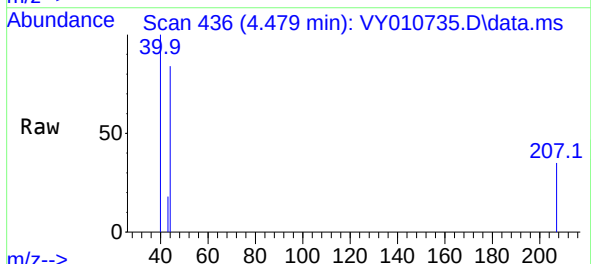
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ROLL-OFF-349-ETGI

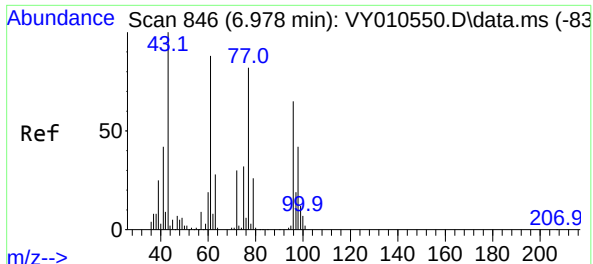
Tgt Ion: 76 Resp: 213  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.4 11.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.479 min Scan# 436  
Delta R.T. 0.013 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

Tgt Ion: 43 Resp: 65  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#

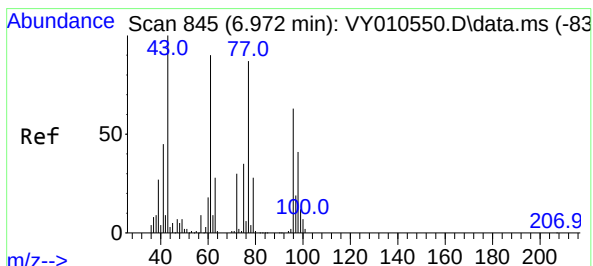
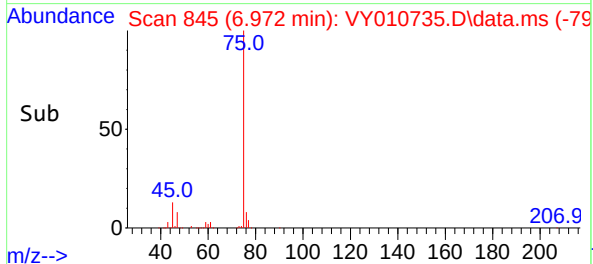
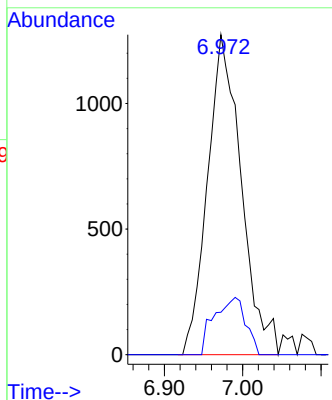
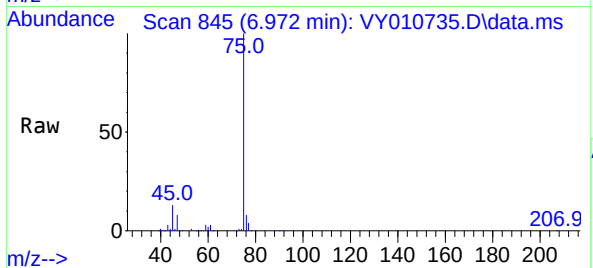




#25  
2-Butanone  
Concen: 5.362 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.006 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

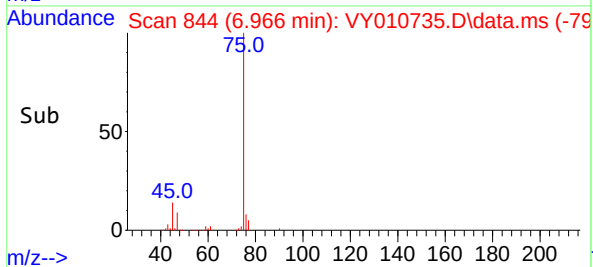
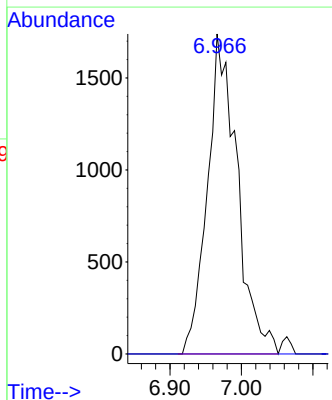
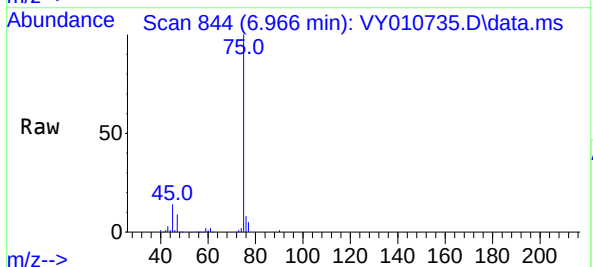
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ROLL-OFF-349-ETGI

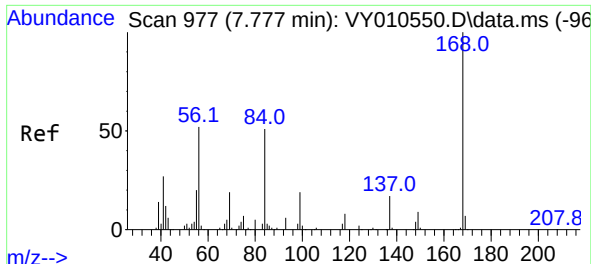
Tgt Ion: 43 Resp: 3801  
Ion Ratio Lower Upper  
43 100  
72 13.3 17.7 26.5#



#26  
2,2-Dichloropropane  
Concen: 1.494 ug/l  
RT: 6.966 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

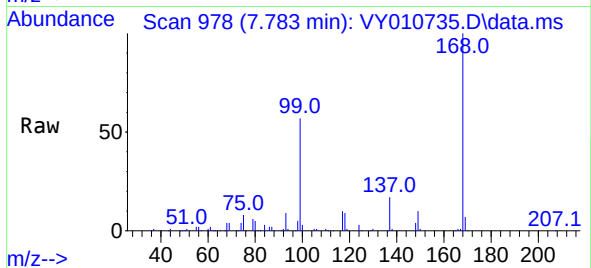
Tgt Ion: 77 Resp: 5033  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.4 31.4#



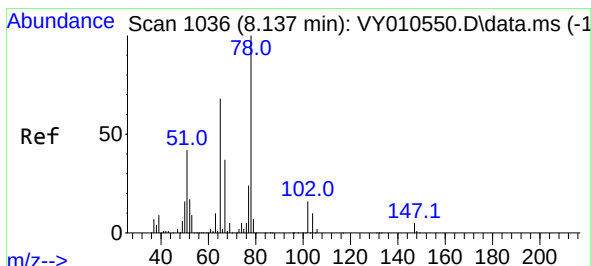
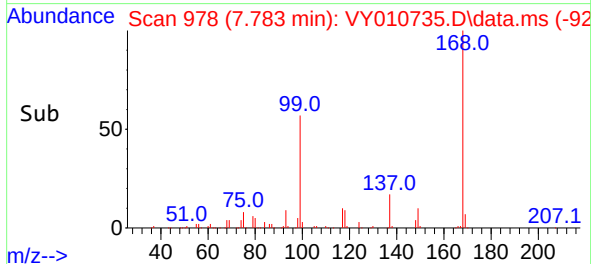
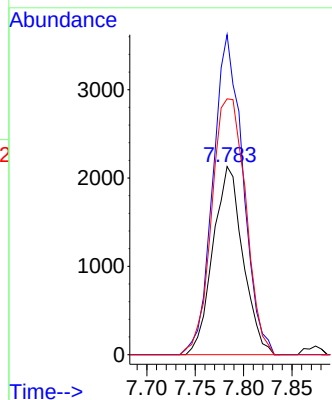


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ROLL-OFF-349-ETGI

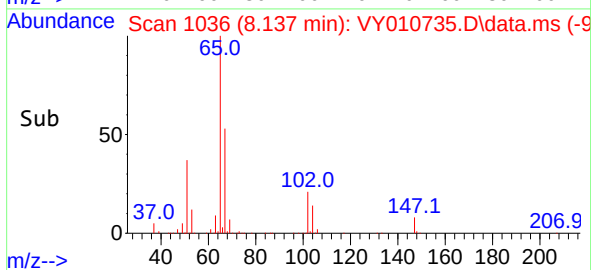
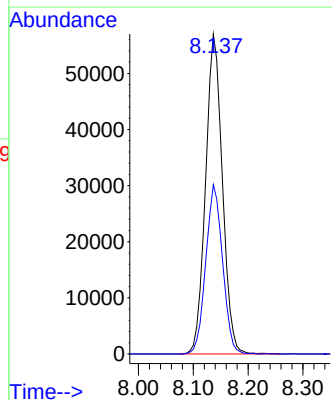
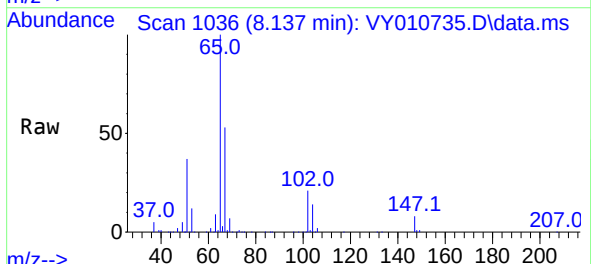


Tgt Ion: 56 Resp: 4590  
Ion Ratio Lower Upper  
56 100  
69 170.0 26.7 40.1#  
84 135.9 67.2 100.8#

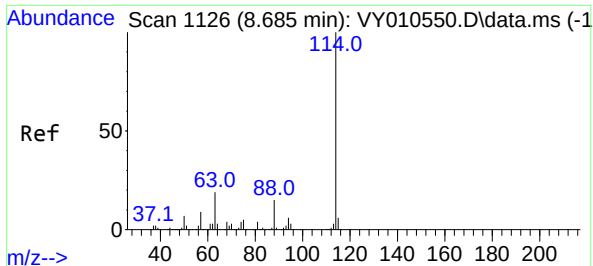


#33  
1,2-Dichloroethane-d4  
Concen: 54.565 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

Tgt Ion: 65 Resp: 121263  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 99.4







#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010735.D

Acq: 29 Sep 2022 16:45

Instrument :

MSVOA\_Y

ClientSampleId :

ROLL-OFF-349-ETGI

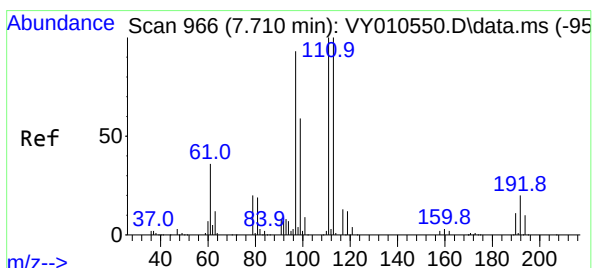
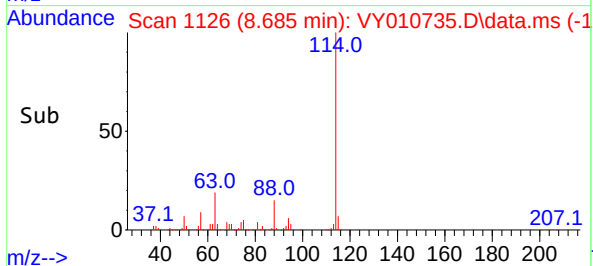
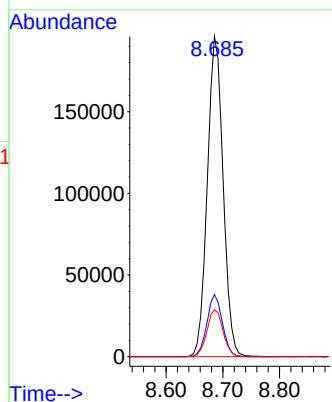
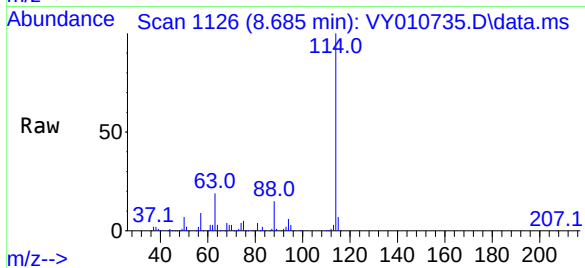
Tgt Ion:114 Resp: 379389

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.833 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010735.D

Acq: 29 Sep 2022 16:45

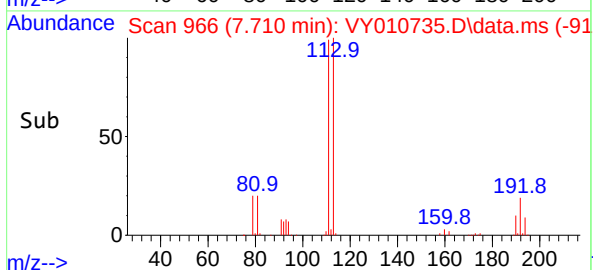
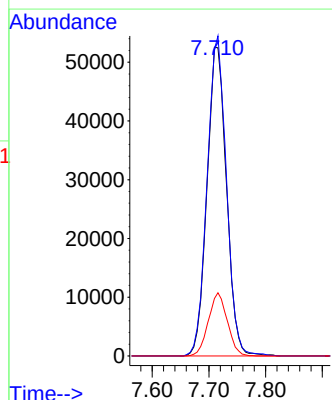
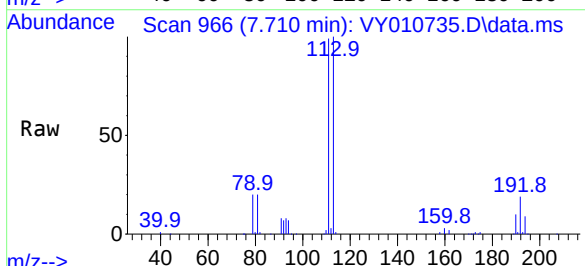
Tgt Ion:113 Resp: 125502

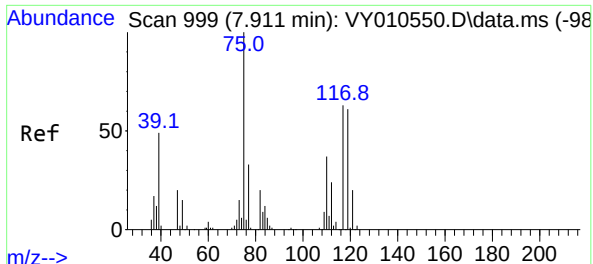
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 19.9 17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.519 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010735.D

Acq: 29 Sep 2022 16:45

Instrument :

MSVOA\_Y

ClientSampleId :

ROLL-OFF-349-ETGI

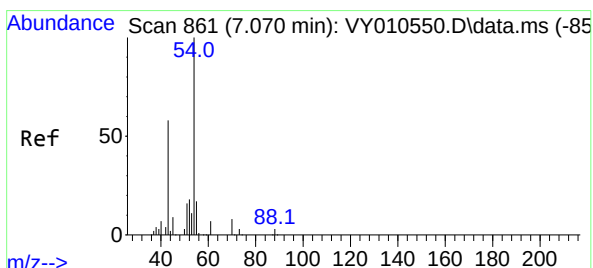
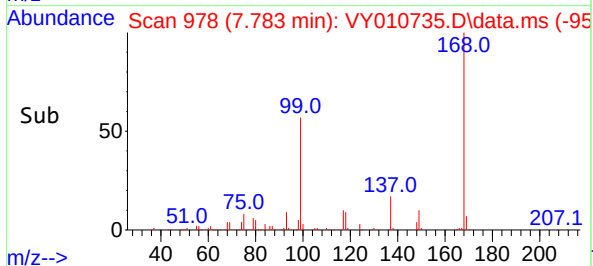
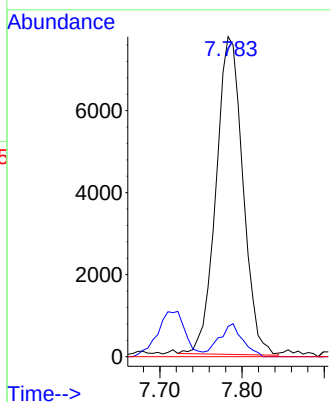
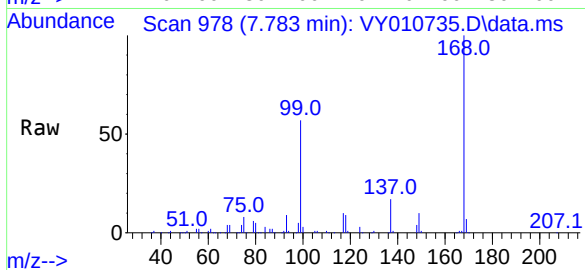
Tgt Ion: 75 Resp: 17587

Ion Ratio Lower Upper

75 100

110 9.1 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.439 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY010735.D

Acq: 29 Sep 2022 16:45

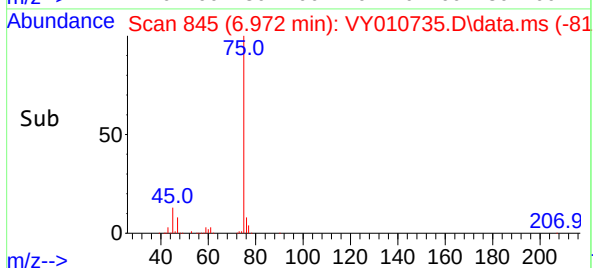
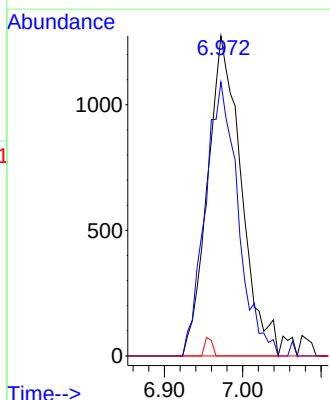
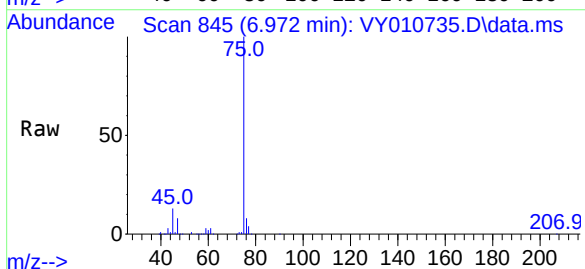
Tgt Ion: 43 Resp: 3801

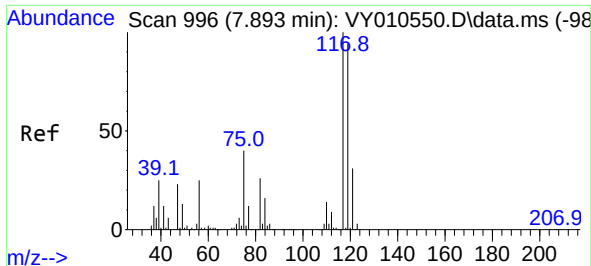
Ion Ratio Lower Upper

43 100

61 83.9 9.7 14.5#

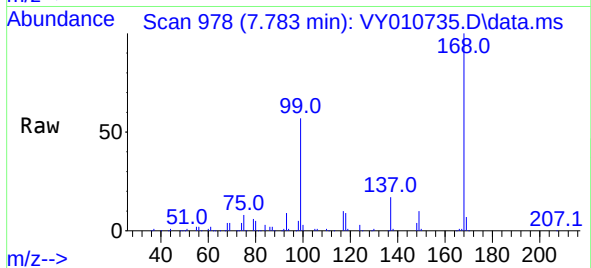
70 1.3 7.1 10.7#



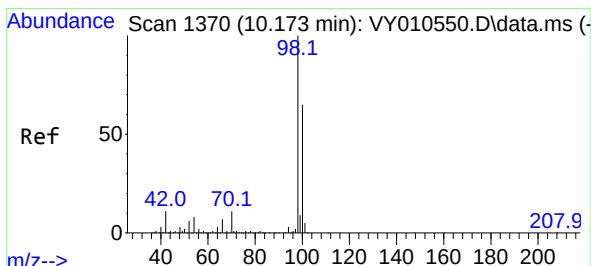
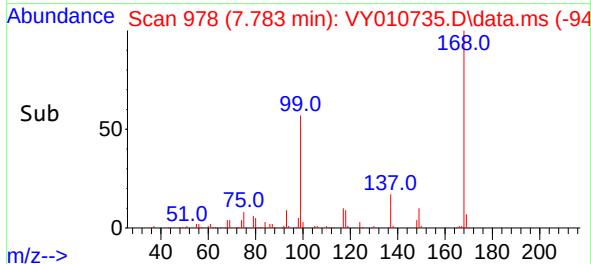
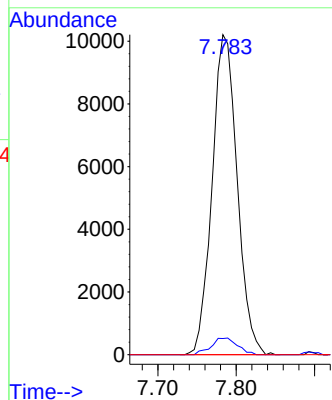


#38  
Carbon Tetrachloride  
Concen: 7.325 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ROLL-OFF-349-ETGI

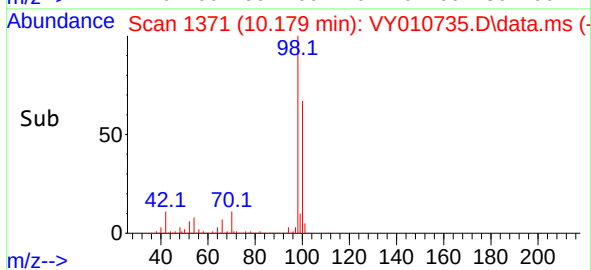
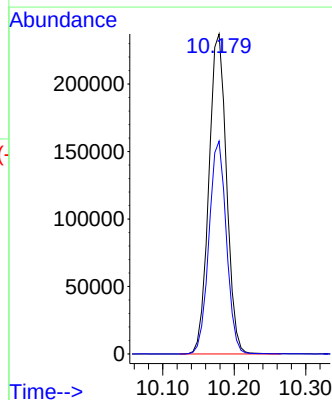
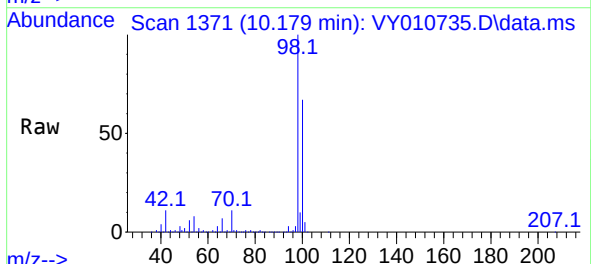


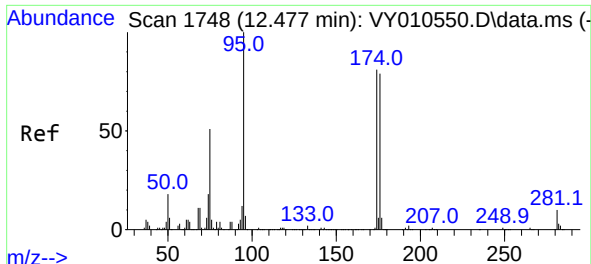
Tgt Ion: 117 Resp: 22723  
Ion Ratio Lower Upper  
117 100  
119 5.1 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 45.744 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.006 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

Tgt Ion: 98 Resp: 406799  
Ion Ratio Lower Upper  
98 100  
100 65.6 50.2 75.2

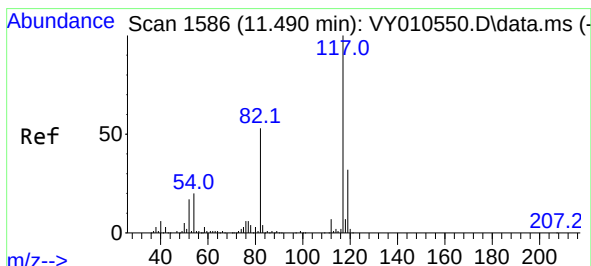
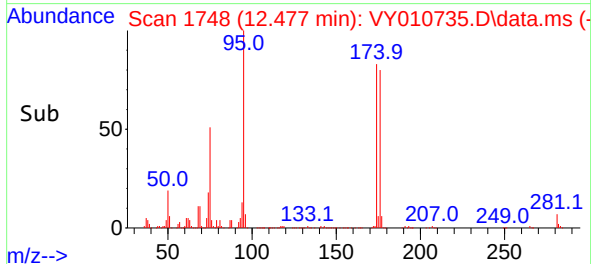
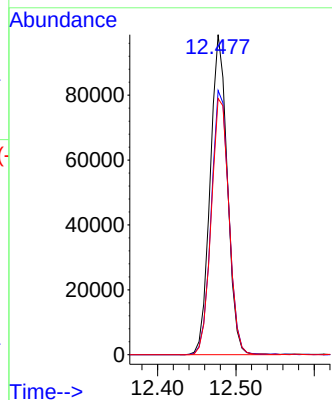
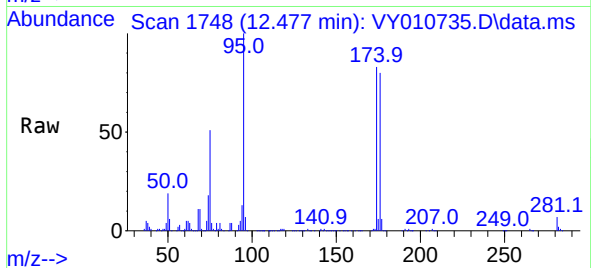




#62  
4-Bromofluorobenzene  
Concen: 44.899 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

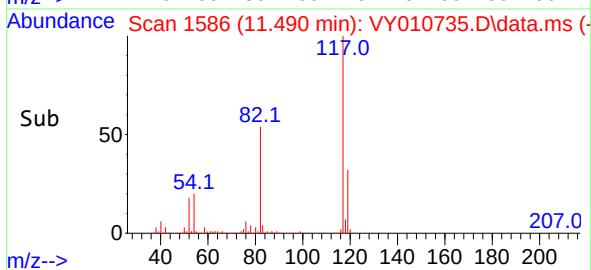
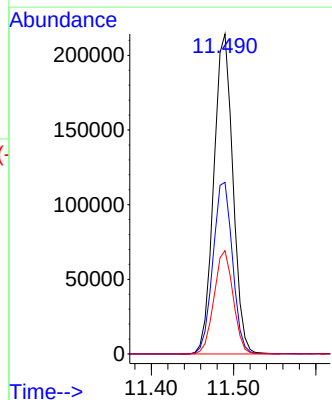
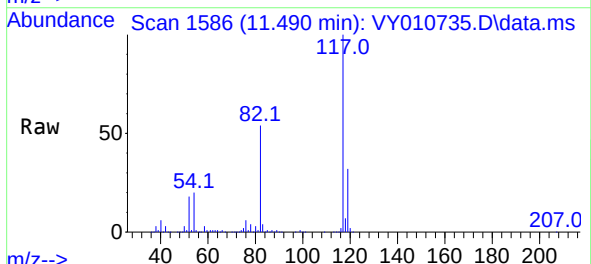
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ROLL-OFF-349-ETGI

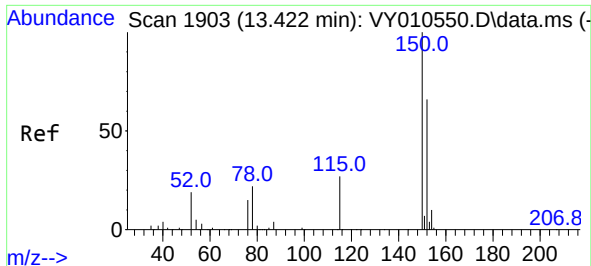
Tgt Ion: 95 Resp: 150025  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 177.0  
176 82.6 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

Tgt Ion: 117 Resp: 347191  
Ion Ratio Lower Upper  
117 100  
82 53.6 43.0 64.4  
119 32.3 25.4 38.0

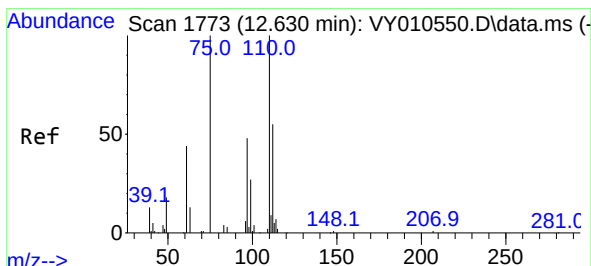
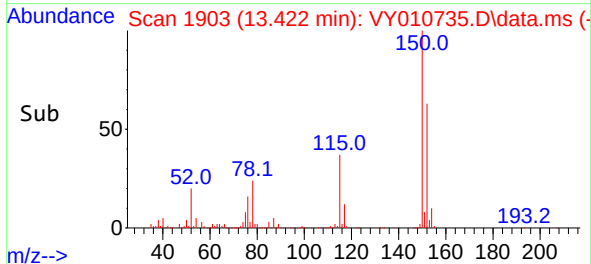
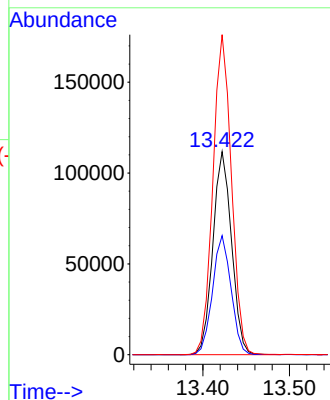
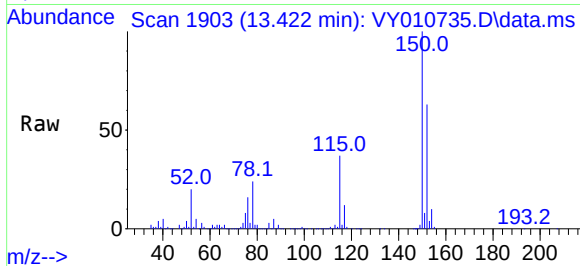




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

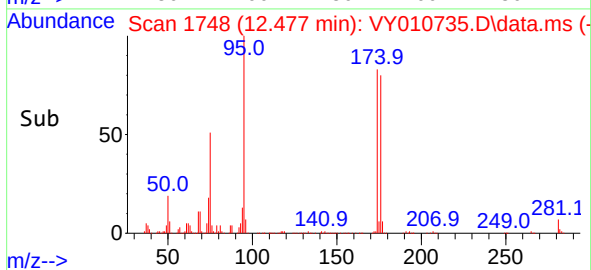
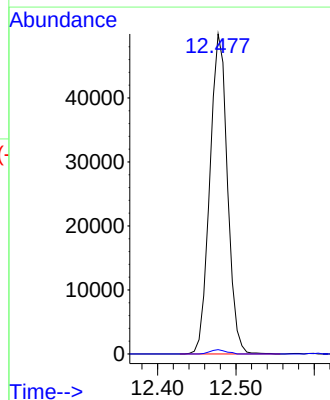
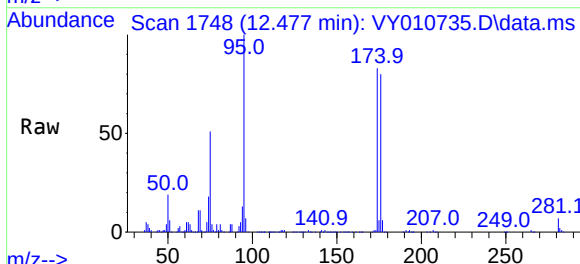
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ROLL-OFF-349-ETGI

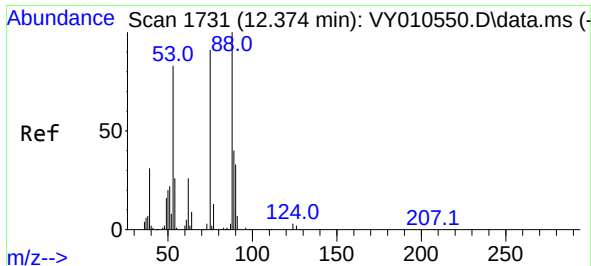
Tgt Ion:152 Resp: 167571  
Ion Ratio Lower Upper  
152 100  
115 58.1 28.2 84.7  
150 156.6 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 48.818 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY010735.D  
Acq: 29 Sep 2022 16:45

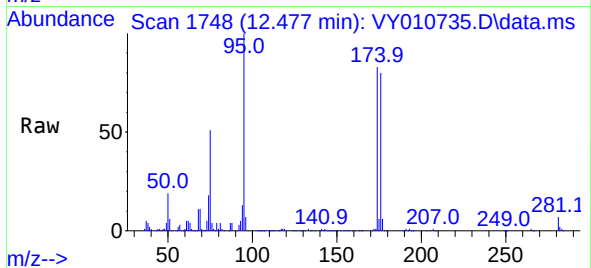
Tgt Ion: 75 Resp: 78077  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 108.543 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.103 min  
 Lab File: VY010735.D  
 Acq: 29 Sep 2022 16:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ROLL-OFF-349-ETGI



Tgt Ion: 75 Resp: 78077  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.1 37.0 55.4#

