

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122023\  
 Data File : VY016745.D  
 Acq On : 21 Dec 2023 07:07  
 Operator : SY/MD  
 Sample : 05876-14  
 Misc : 1.13g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 21 08:14:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122023S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 21 01:49:45 2023  
 Response via : Initial Calibration

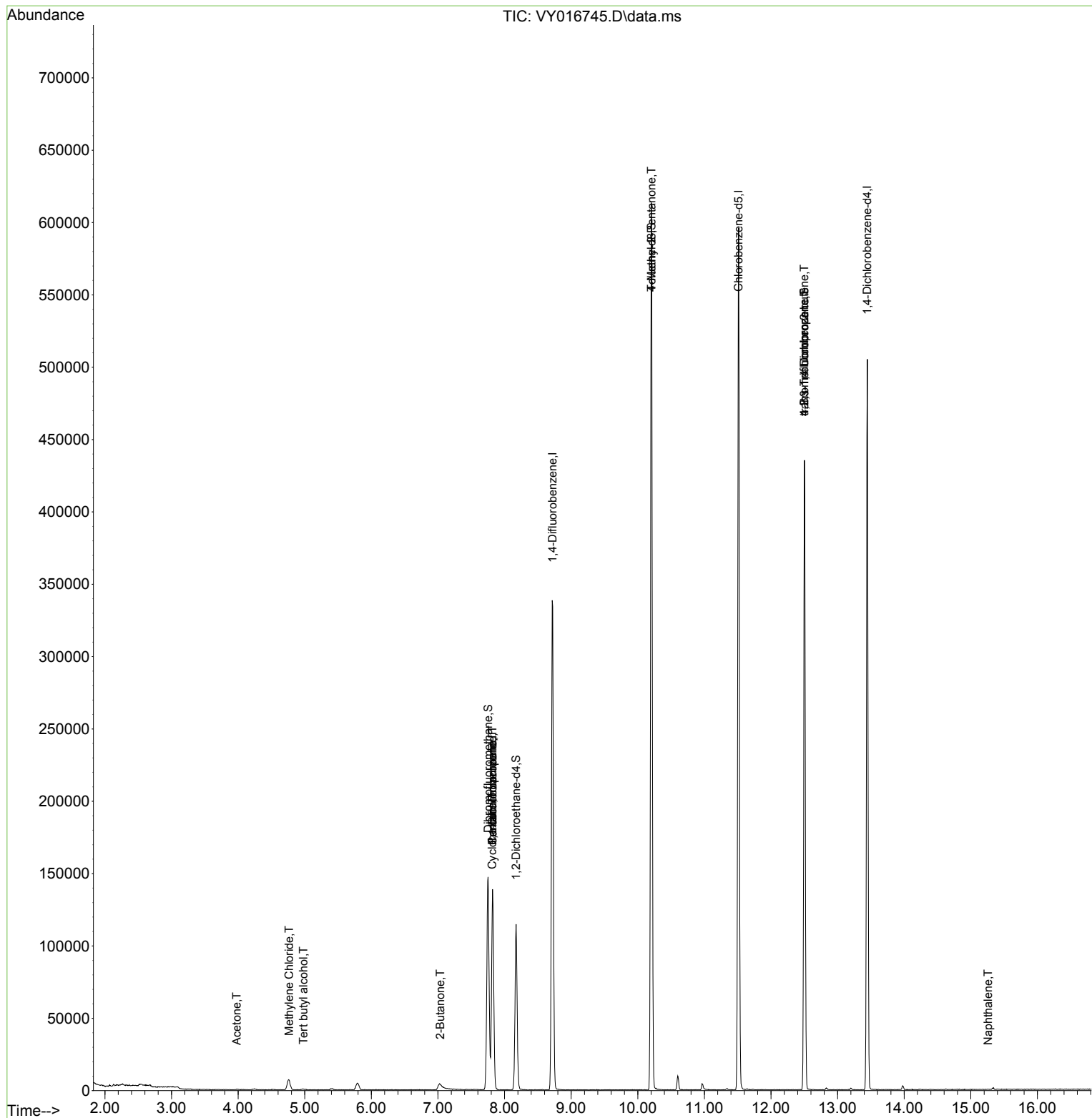
| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) Pentafluorobenzene         | 7.820  | 168   | 102262   | 50.000   | ug/l        | 0.02     |
| 34) 1,4-Difluorobenzene       | 8.722  | 114   | 299723   | 50.000   | ug/l        | 0.02     |
| 63) Chlorobenzene-d5          | 11.514 | 117   | 328643   | 50.000   | ug/l        | 0.01     |
| 72) 1,4-Dichlorobenzene-d4    | 13.447 | 152   | 123914   | 50.000   | ug/l        | 0.01     |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.173  | 65    | 85795    | 91.903   | ug/l        | 0.02     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 183.800%# |          |
| 35) Dibromofluoromethane      | 7.752  | 113   | 106449   | 62.001   | ug/l        | 0.02     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 124.000%  |          |
| 50) Toluene-d8                | 10.203 | 98    | 395705   | 63.935   | ug/l        | 0.01     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 127.860%  |          |
| 62) 4-Bromofluorobenzene      | 12.502 | 95    | 133982   | 66.725   | ug/l        | 0.01     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 133.460%  |          |
| Target Compounds              |        |       |          |          |             |          |
|                               |        |       |          |          | Qvalue      |          |
| 11) Tert butyl alcohol        | 4.979  | 59    | 425      | 5.552    | ug/l #      | 75       |
| 16) Acetone                   | 3.979  | 43    | 635      | 2.515    | ug/l        | 90       |
| 20) Methylene Chloride        | 4.765  | 84    | 5603     | 1.522    | ug/l        | 91       |
| 25) 2-Butanone                | 7.033  | 43    | 403      | 1.159    | ug/l #      | 48       |
| 31) Cyclohexane               | 7.813  | 56    | 2275     | 1.272    | ug/l #      | 19       |
| 36) 1,1-Dichloropropene       | 7.820  | 75    | 9371     | 3.405    | ug/l #      | 49       |
| 38) Carbon Tetrachloride      | 7.820  | 117   | 10365    | 3.806    | ug/l #      | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.203 | 43    | 1572     | 1.288    | ug/l #      | 1        |
| 76) 1,2,3-Trichloropropane    | 12.502 | 75    | 70741    | 51.643   | ug/l #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.502 | 75    | 70741    | 121.281  | ug/l #      | 12       |
| 95) Naphthalene               | 15.257 | 128   | 201      | 3.641    | ug/l #      | 69       |
| -----                         |        |       |          |          |             |          |

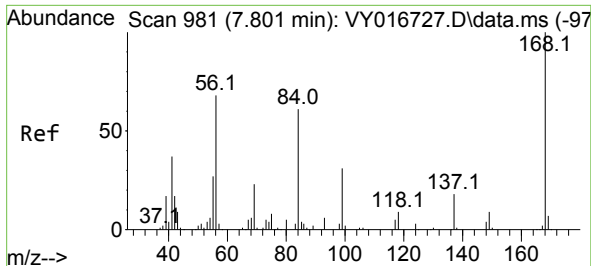
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122023\  
Data File : VY016745.D  
Acq On : 21 Dec 2023 07:07  
Operator : SY/MD  
Sample : 05876-14  
Misc : 1.13g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

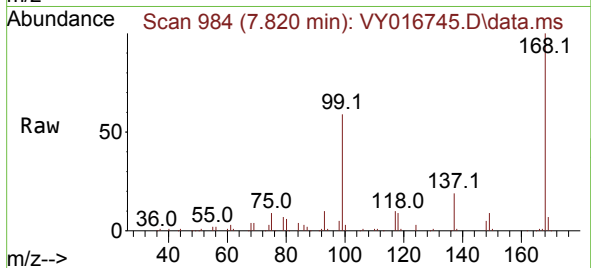
Quant Time: Dec 21 08:14:13 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122023S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 21 01:49:45 2023  
Response via : Initial Calibration



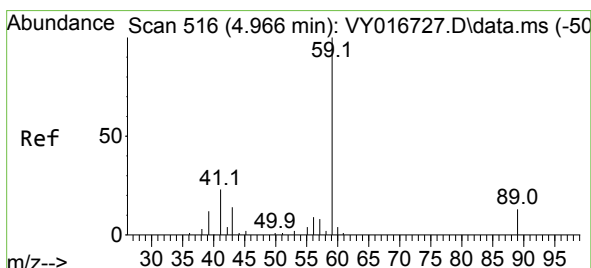
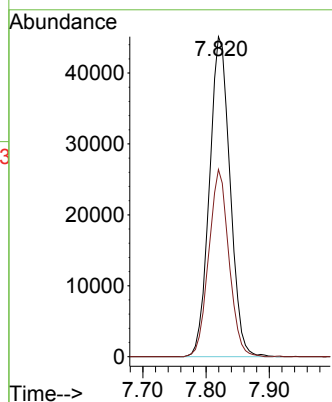
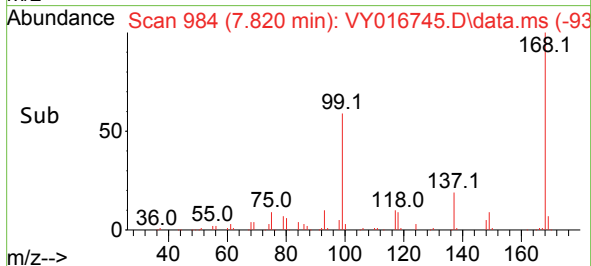


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.820 min Scan# 91  
Delta R.T. 0.019 min  
Lab File: VY016745.D  
Acq: 21 Dec 2023 07:07

Instrument :  
MSVOA\_Y  
ClientSampleId :

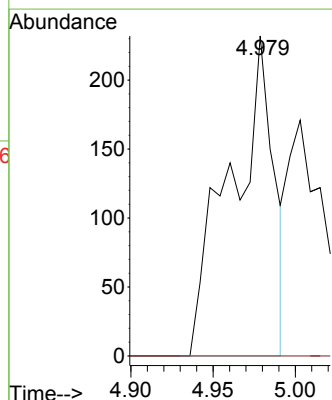
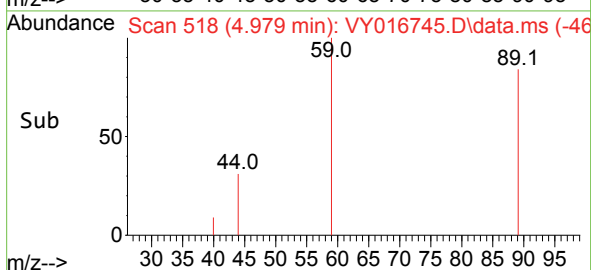
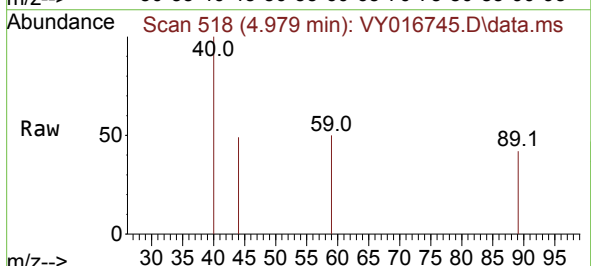


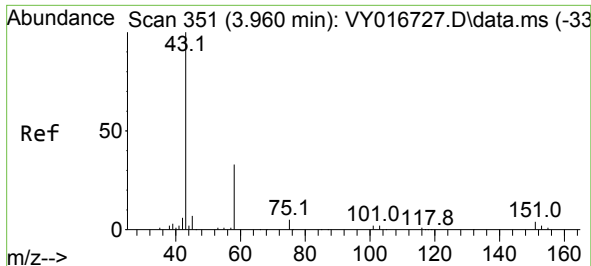
Tgt Ion:168 Resp: 102262  
Ion Ratio Lower Upper  
168 100  
99 58.5 44.2 66.4



#11  
Tert butyl alcohol  
Concen: 5.552 ug/l  
RT: 4.979 min Scan# 518  
Delta R.T. 0.013 min  
Lab File: VY016745.D  
Acq: 21 Dec 2023 07:07

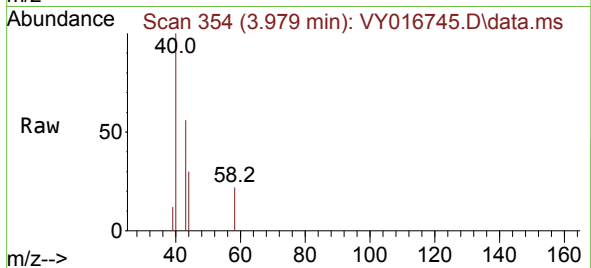
Tgt Ion: 59 Resp: 425  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#



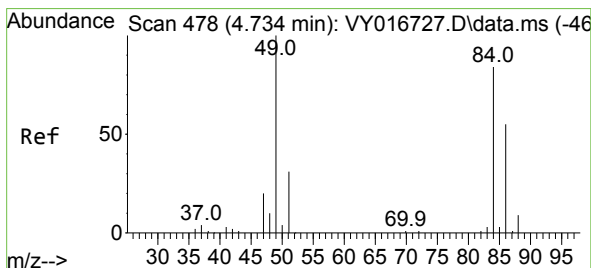
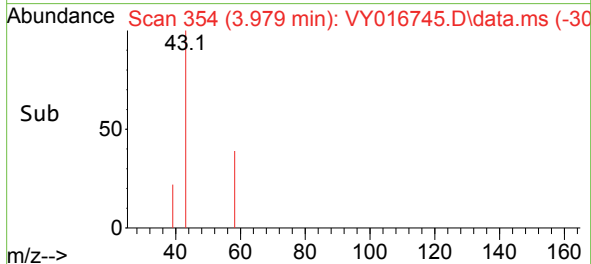
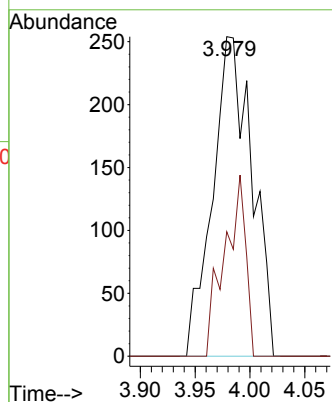


#16  
Acetone  
Concen: 2.515 ug/l  
RT: 3.979 min Scan# 31  
Delta R.T. 0.019 min  
Lab File: VY016745.D  
Acq: 21 Dec 2023 07:07

Instrument :  
MSVOA\_Y  
ClientSampleId :

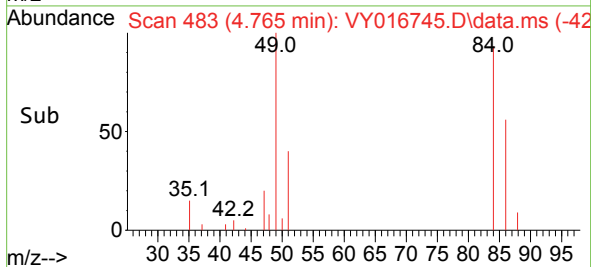
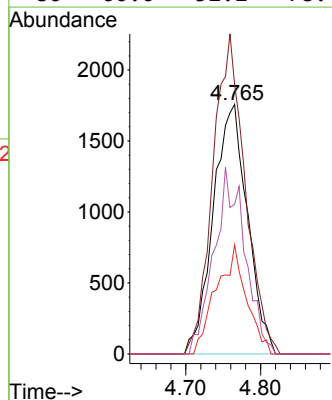
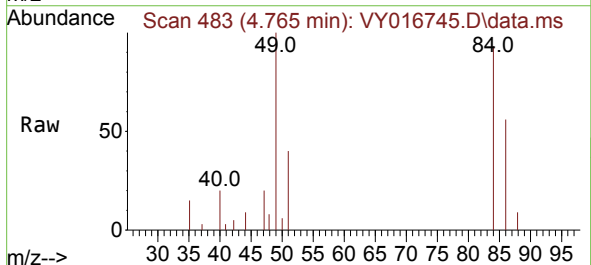


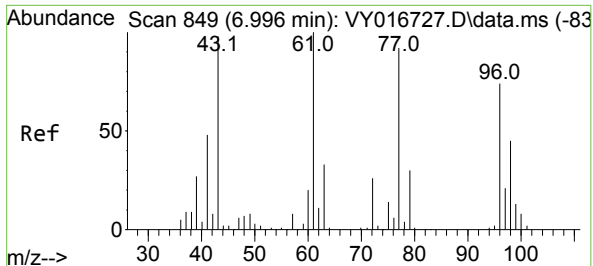
Tgt Ion: 43 Resp: 635  
Ion Ratio Lower Upper  
43 100  
58 39.0 26.6 39.8



#20  
Methylene Chloride  
Concen: 1.522 ug/l  
RT: 4.765 min Scan# 483  
Delta R.T. 0.031 min  
Lab File: VY016745.D  
Acq: 21 Dec 2023 07:07

Tgt Ion: 84 Resp: 5603  
Ion Ratio Lower Upper  
84 100  
49 107.9 95.2 142.8  
51 43.6 29.9 44.9  
86 60.0 52.2 78.4





#25

2-Butanone

Concen: 1.159 ug/l

RT: 7.033 min Scan# 81

Delta R.T. 0.037 min

Lab File: VY016745.D

Acq: 21 Dec 2023 07:07

Instrument :

MSVOA\_Y

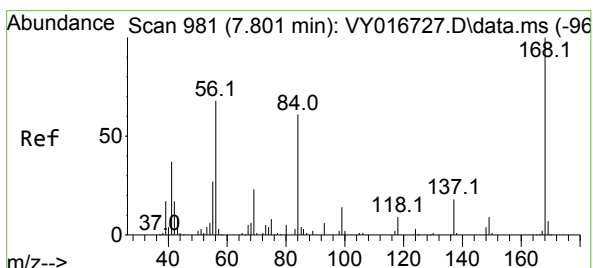
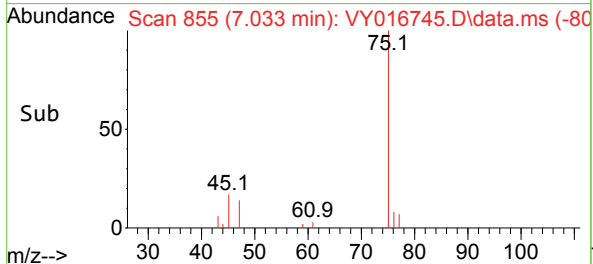
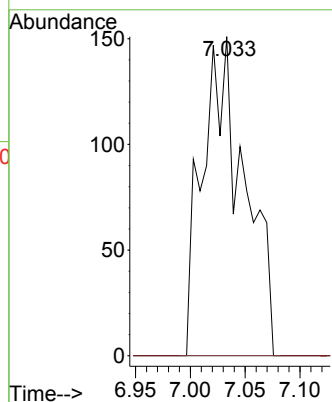
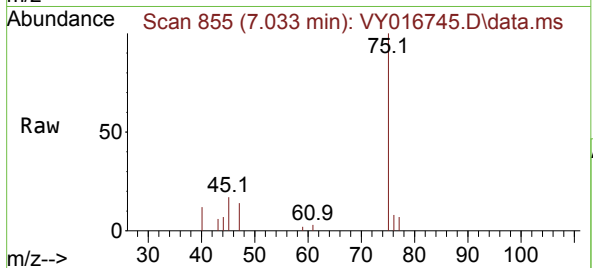
ClientSampleId :

Tgt Ion: 43 Resp: 403

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.272 ug/l

RT: 7.813 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY016745.D

Acq: 21 Dec 2023 07:07

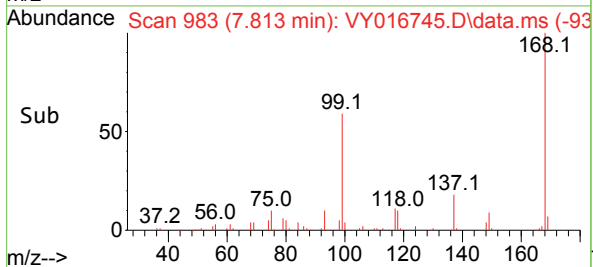
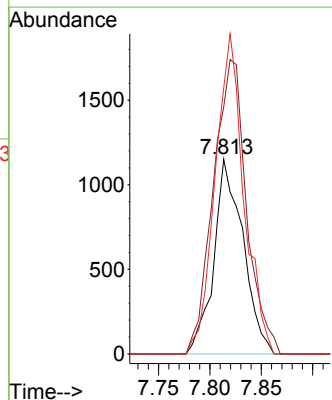
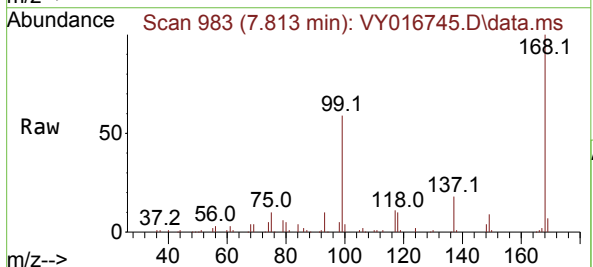
Tgt Ion: 56 Resp: 2275

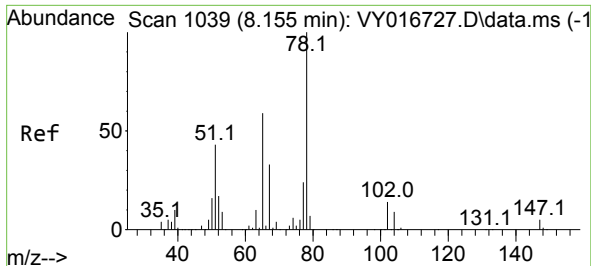
Ion Ratio Lower Upper

56 100

69 126.8 27.0 40.6#

84 136.6 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 91.903 ug/l

RT: 8.173 min Scan# 110

Delta R.T. 0.019 min

Lab File: VY016745.D

Acq: 21 Dec 2023 07:07

Instrument :

MSVOA\_Y

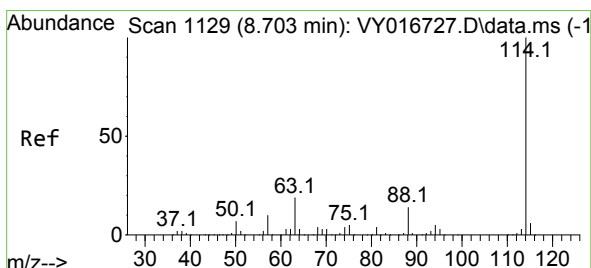
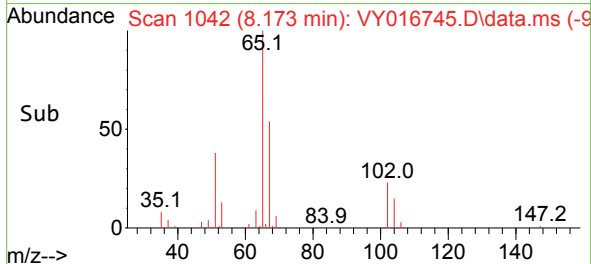
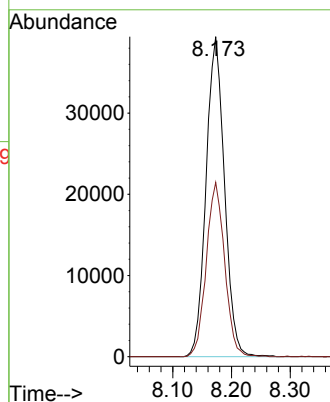
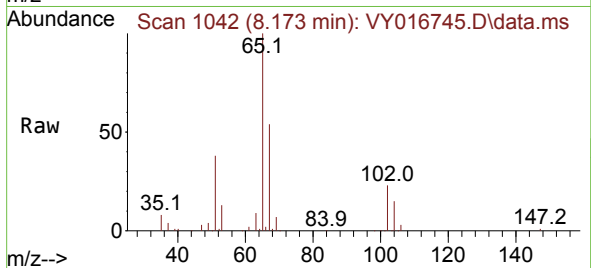
ClientSampleId :

Tgt Ion: 65 Resp: 85795

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.722 min Scan# 1132

Delta R.T. 0.019 min

Lab File: VY016745.D

Acq: 21 Dec 2023 07:07

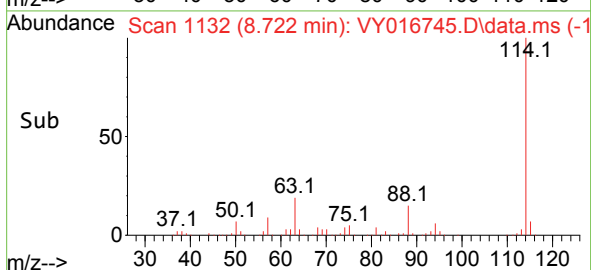
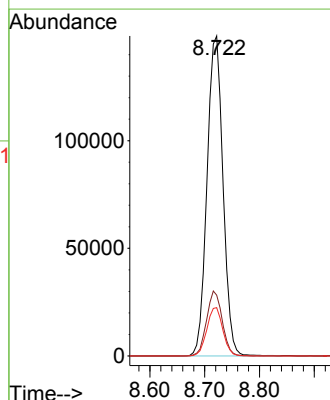
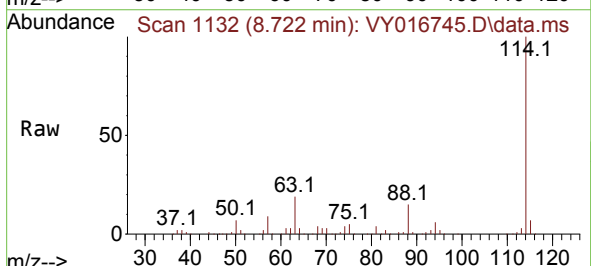
Tgt Ion: 114 Resp: 299723

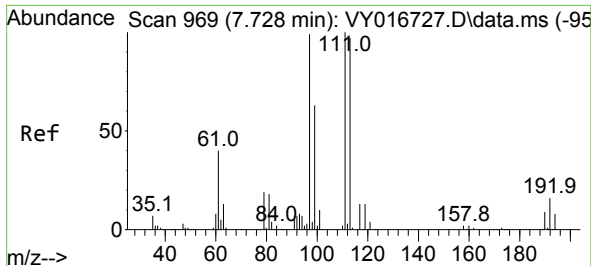
Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

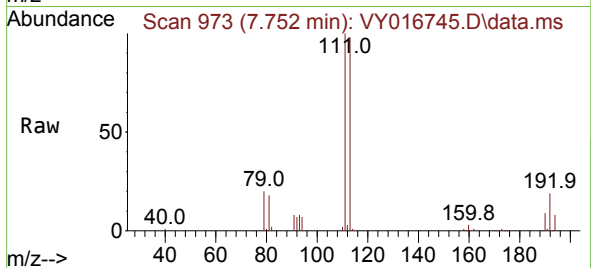
88 15.1 0.0 29.0



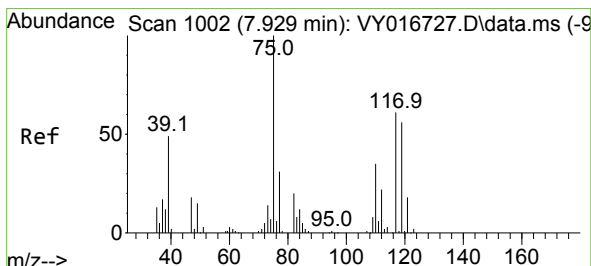
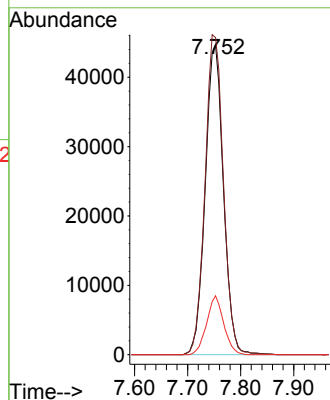
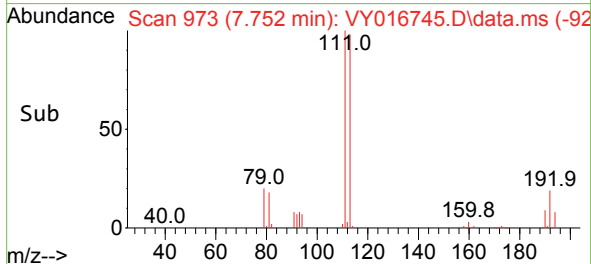


#35  
Dibromofluoromethane  
Concen: 62.001 ug/l  
RT: 7.752 min Scan# 91  
Delta R.T. 0.025 min  
Lab File: VY016745.D  
Acq: 21 Dec 2023 07:07

Instrument :  
MSVOA\_Y  
ClientSampleId :

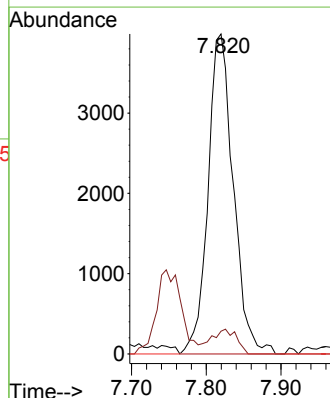
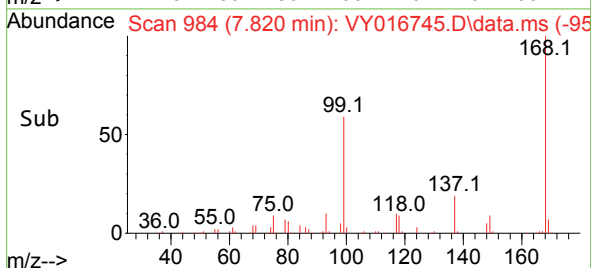
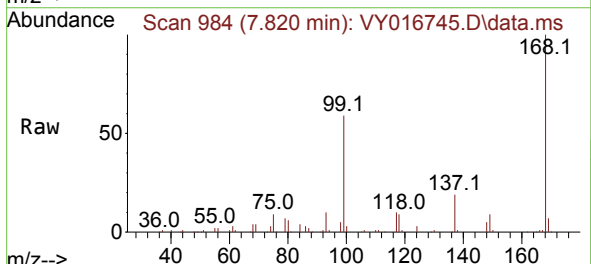


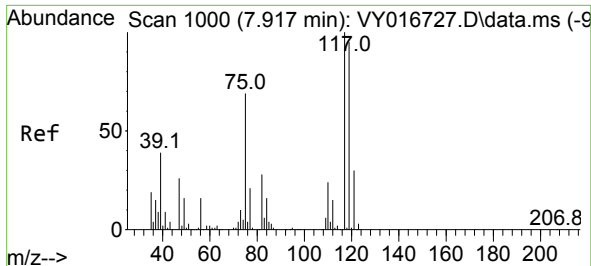
Tgt Ion:113 Resp: 106449  
Ion Ratio Lower Upper  
113 100  
111 104.2 83.8 125.6  
192 17.8 14.5 21.7



#36  
1,1-Dichloropropene  
Concen: 3.405 ug/l  
RT: 7.820 min Scan# 984  
Delta R.T. -0.109 min  
Lab File: VY016745.D  
Acq: 21 Dec 2023 07:07

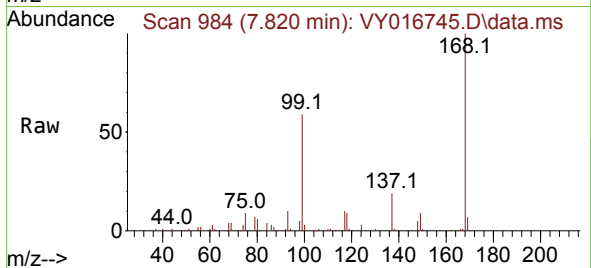
Tgt Ion: 75 Resp: 9371  
Ion Ratio Lower Upper  
75 100  
110 7.9 17.4 52.3#  
77 0.0 24.7 37.1#



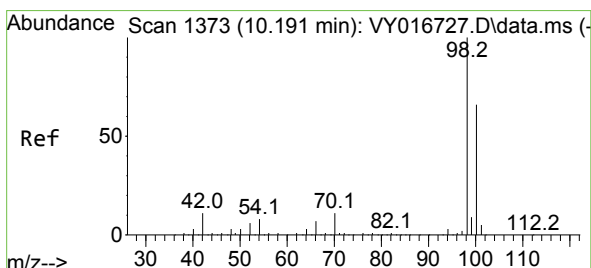
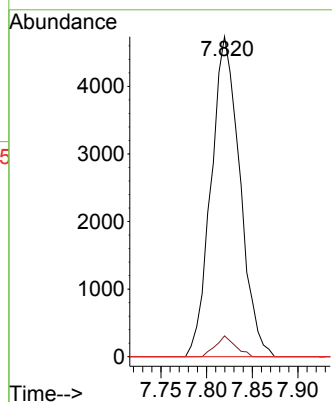
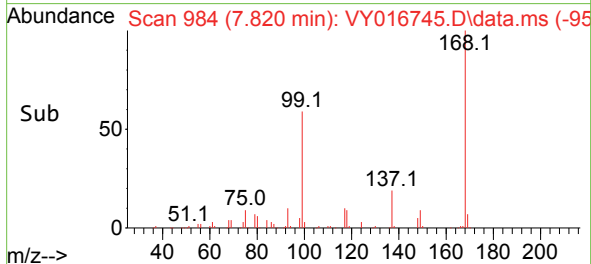


#38  
Carbon Tetrachloride  
Concen: 3.806 ug/l  
RT: 7.820 min Scan# 91  
Delta R.T. -0.097 min  
Lab File: VY016745.D  
Acq: 21 Dec 2023 07:07

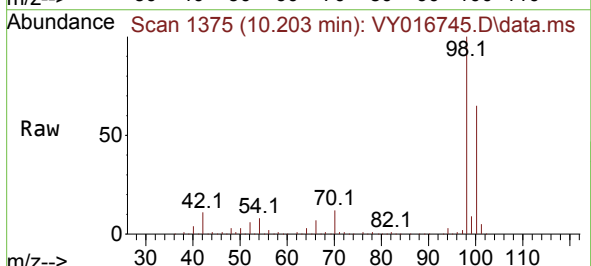
Instrument :  
MSVOA\_Y  
ClientSampleId :



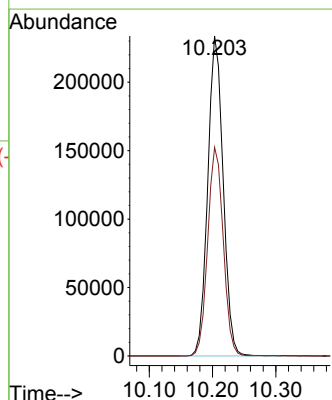
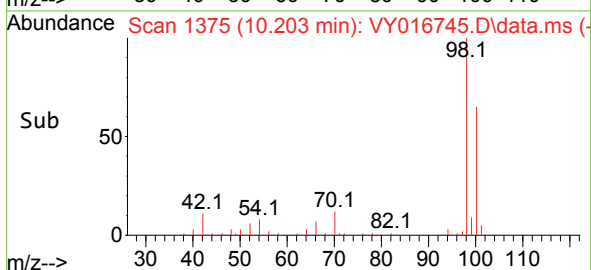
Tgt Ion:117 Resp: 10365  
Ion Ratio Lower Upper  
117 100  
119 6.5 76.0 114.0#  
121 0.0 24.2 36.2#



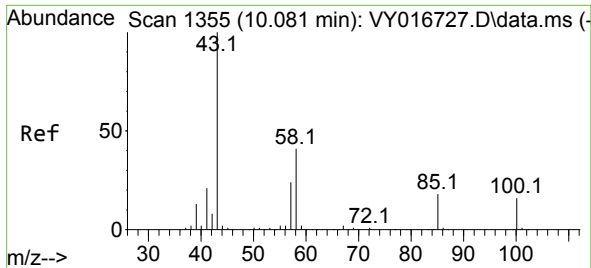
#50  
Toluene-d8  
Concen: 63.935 ug/l  
RT: 10.203 min Scan# 1375  
Delta R.T. 0.012 min  
Lab File: VY016745.D  
Acq: 21 Dec 2023 07:07



Tgt Ion: 98 Resp: 395705  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.3 78.5



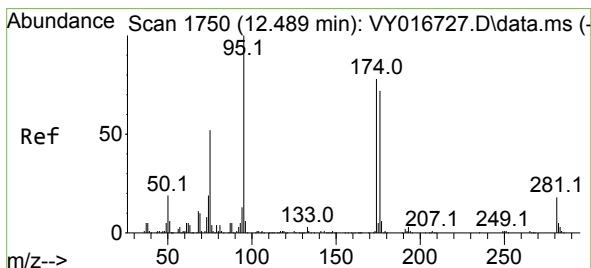
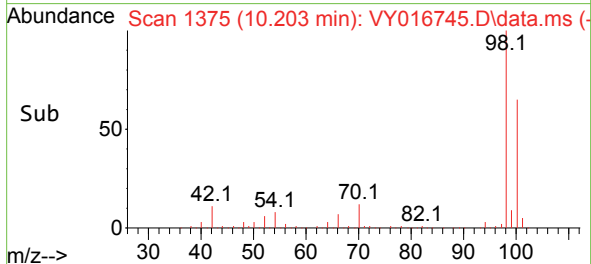
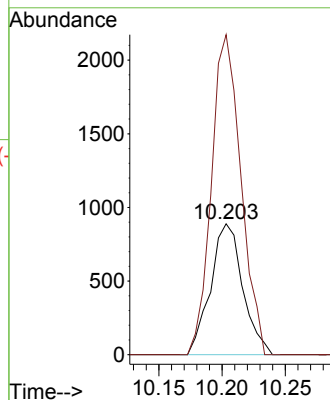
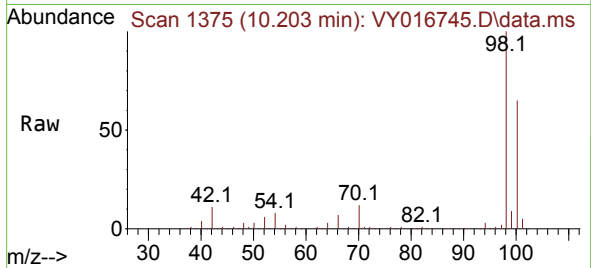




#51  
4-Methyl-2-Pentanone  
Concen: 1.288 ug/l  
RT: 10.203 min Scan# 11  
Delta R.T. 0.122 min  
Lab File: VY016745.D  
Acq: 21 Dec 2023 07:07

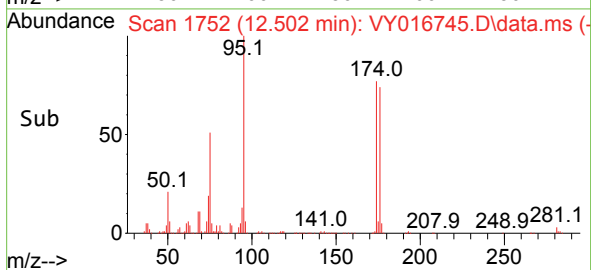
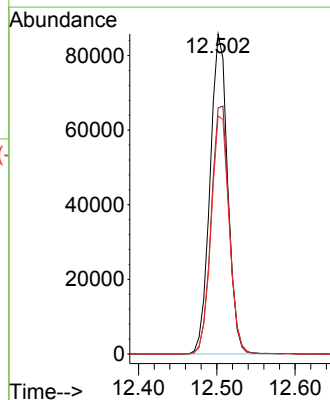
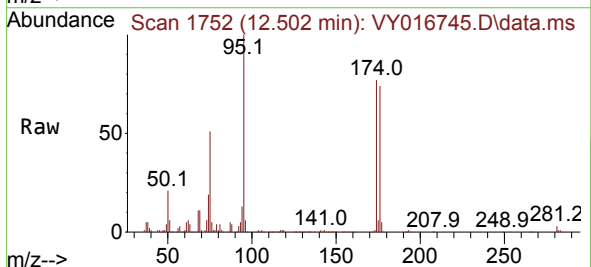
Instrument :  
MSVOA\_Y  
ClientSampleId :

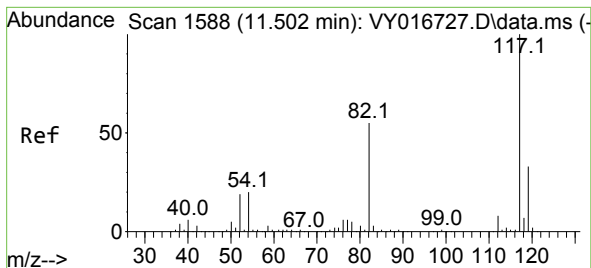
Tgt Ion: 43 Resp: 1572  
Ion Ratio Lower Upper  
43 100  
58 224.4 32.2 48.2#



#62  
4-Bromofluorobenzene  
Concen: 66.725 ug/l  
RT: 12.502 min Scan# 1752  
Delta R.T. 0.012 min  
Lab File: VY016745.D  
Acq: 21 Dec 2023 07:07

Tgt Ion: 95 Resp: 133982  
Ion Ratio Lower Upper  
95 100  
174 79.4 0.0 160.0  
176 75.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016745.D

Acq: 21 Dec 2023 07:07

Instrument :

MSVOA\_Y

ClientSampleId :

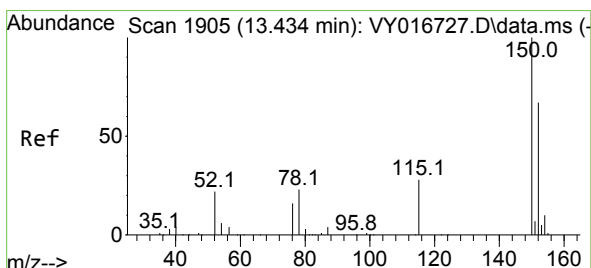
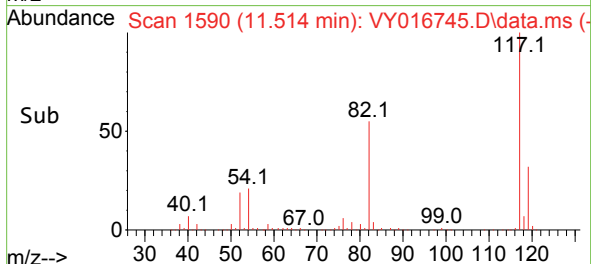
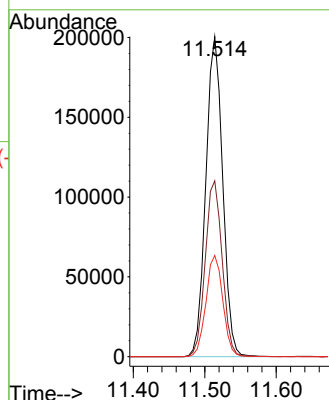
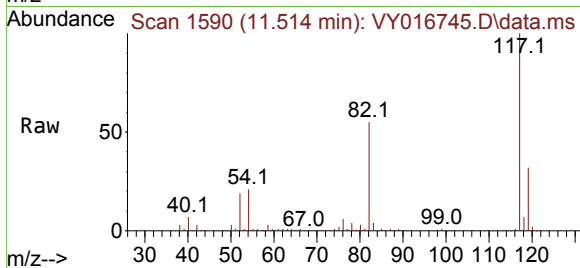
Tgt Ion:117 Resp: 328643

Ion Ratio Lower Upper

117 100

82 55.0 43.8 65.8

119 31.6 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY016745.D

Acq: 21 Dec 2023 07:07

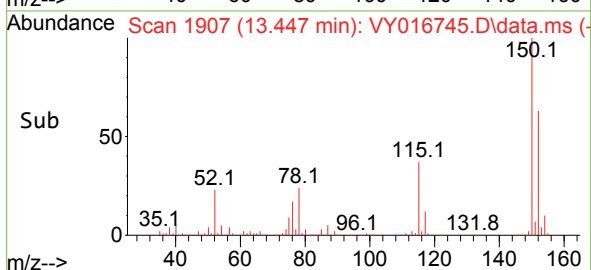
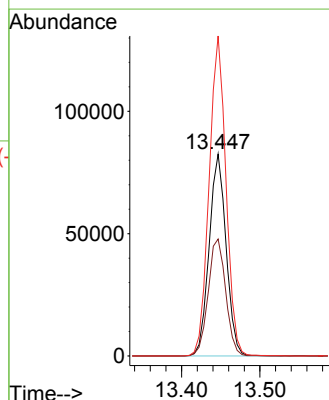
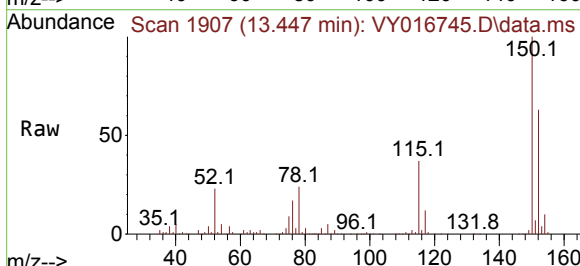
Tgt Ion:152 Resp: 123914

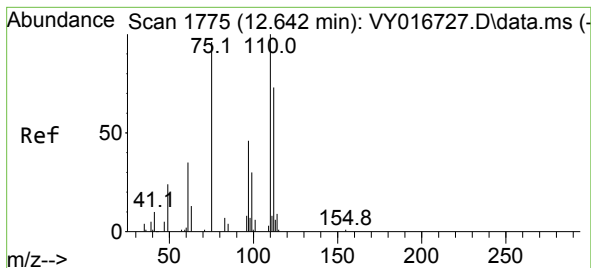
Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.0

150 157.6 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 51.643 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY016745.D

Acq: 21 Dec 2023 07:07

Instrument :

MSVOA\_Y

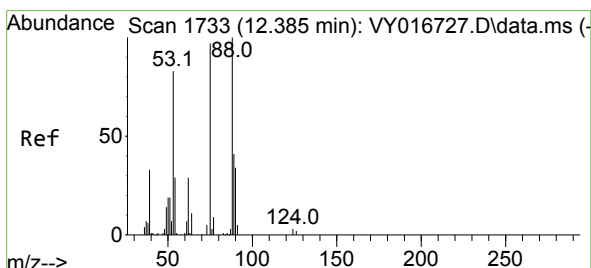
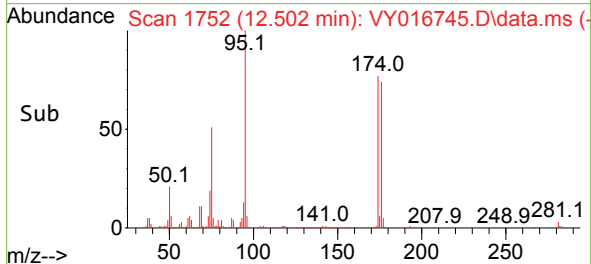
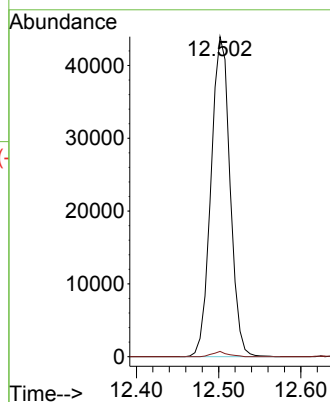
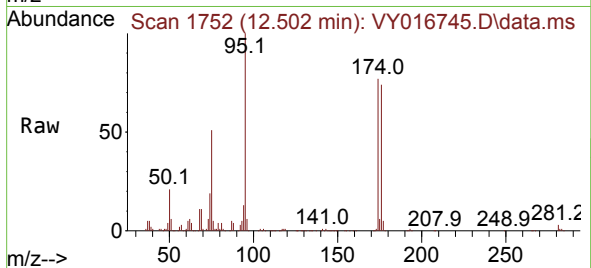
ClientSampleId :

Tgt Ion: 75 Resp: 70741

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.281 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. 0.116 min

Lab File: VY016745.D

Acq: 21 Dec 2023 07:07

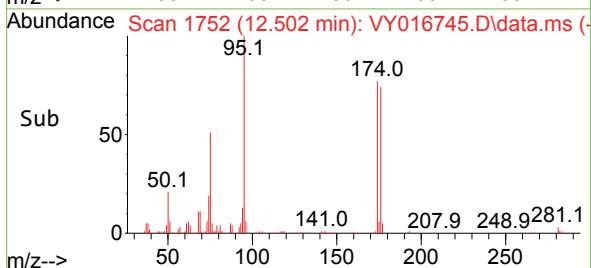
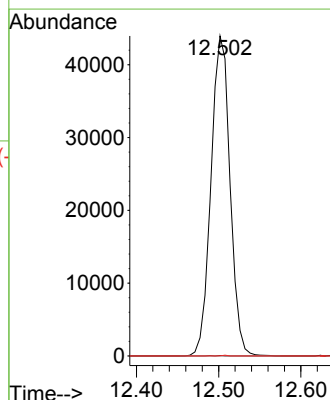
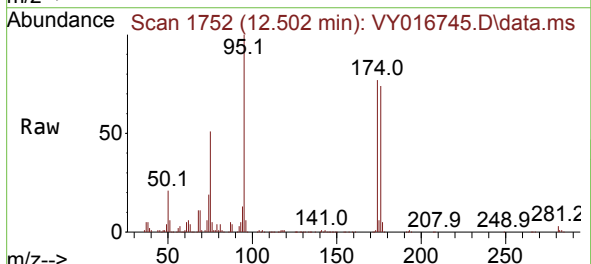
Tgt Ion: 75 Resp: 70741

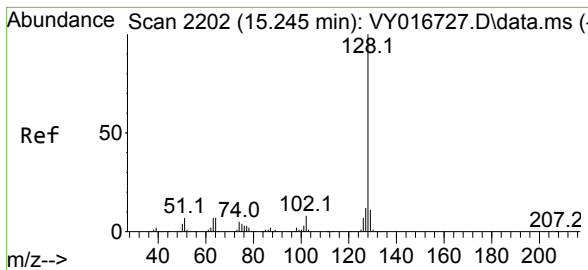
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

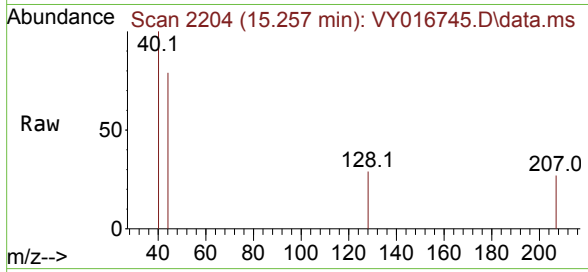
89 0.1 36.5 54.7#





#95  
 Naphthalene  
 Concen: 3.641 ug/l  
 RT: 15.257 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: VY016745.D  
 Acq: 21 Dec 2023 07:07

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion:128 Resp: 201  
 Ion Ratio Lower Upper  
 128 100  
 127 0.0 10.2 15.4#  
 129 0.0 8.6 12.8#

