

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100824\  
 Data File : VY019824.D  
 Acq On : 08 Oct 2024 15:45  
 Operator : SY/MD  
 Sample : P4340-07  
 Misc : 5.82g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 09 02:09:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

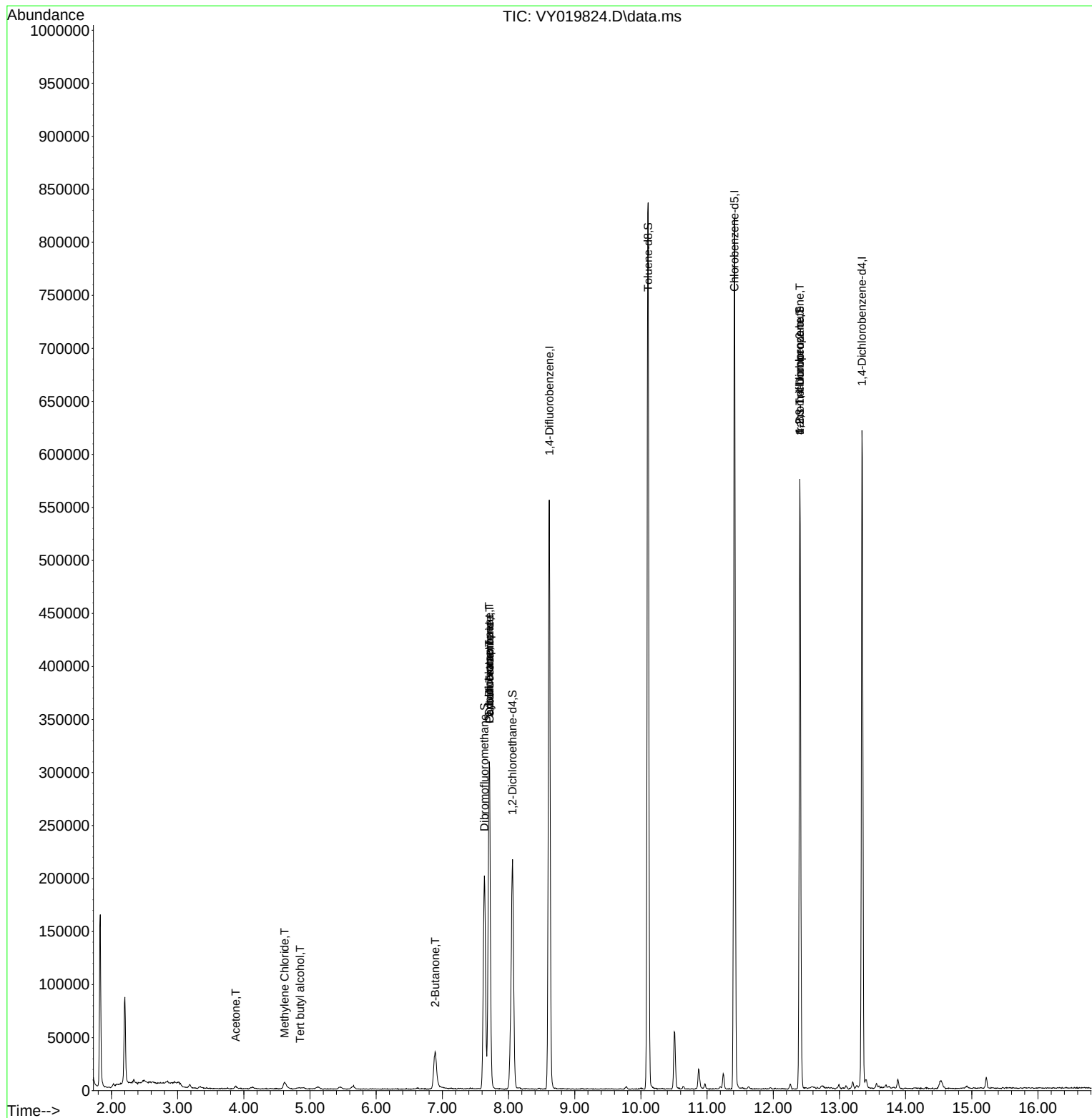
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.713     | 168   | 225289   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.616     | 114   | 450192   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117   | 403020   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.340    | 152   | 147479   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65    | 144539   | 69.286    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 138.580% |          |
| 35) Dibromofluoromethane      | 7.634     | 113   | 142195   | 55.708    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 111.420% |          |
| 50) Toluene-d8                | 10.109    | 98    | 539772   | 57.172    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 114.340% |          |
| 62) 4-Bromofluorobenzene      | 12.402    | 95    | 171075   | 47.126    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 29 - 146 | Recovery  | = 94.260%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.861     | 85    | 49       | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 4.848     | 59    | 578      | 3.431     | ug/l #     | 87       |
| 13) Acrolein                  | 3.665     | 56    | 74       | Below Cal | #          | 60       |
| 16) Acetone                   | 3.879     | 43    | 4019     | 8.087     | ug/l #     | 67       |
| 20) Methylene Chloride        | 4.616     | 84    | 4154     | 1.833     | ug/l #     | 83       |
| 25) 2-Butanone                | 6.890     | 43    | 2854     | 4.038     | ug/l #     | 65       |
| 31) Cyclohexane               | 7.707     | 56    | 5791     | 1.551     | ug/l #     | 9        |
| 36) 1,1-Dichloropropene       | 7.707     | 75    | 21962    | 6.323     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.713     | 117   | 25108    | 6.410     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.402    | 75    | 96459    | 69.781    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402    | 75    | 96459    | 133.960   | ug/l #     | 16       |
| -----                         |           |       |          |           |            |          |

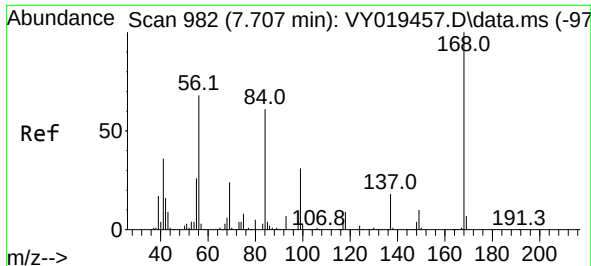
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 09 02:09:24 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 09 16:00:30 2024  
Response via : Initial Calibration

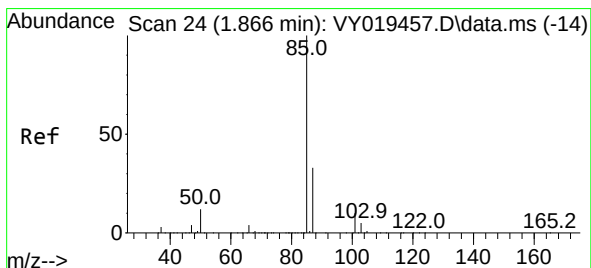
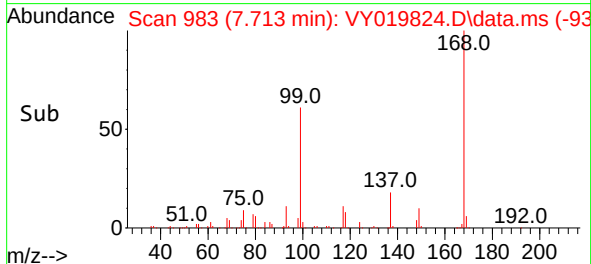
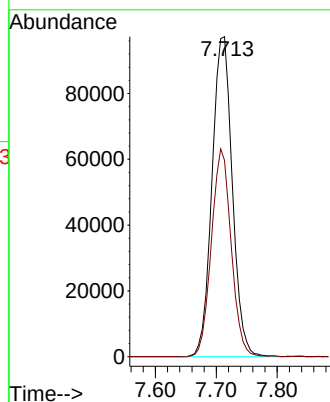
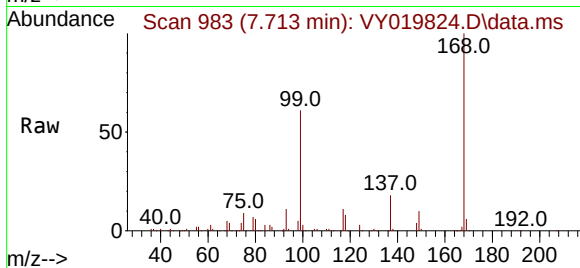




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019824.D  
Acq: 08 Oct 2024 15:45

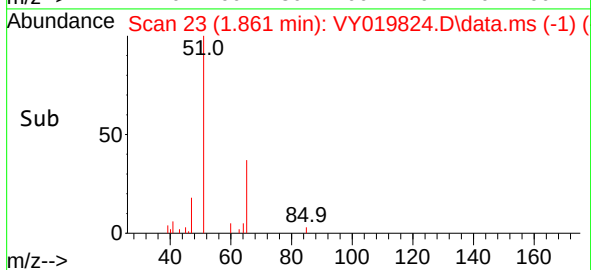
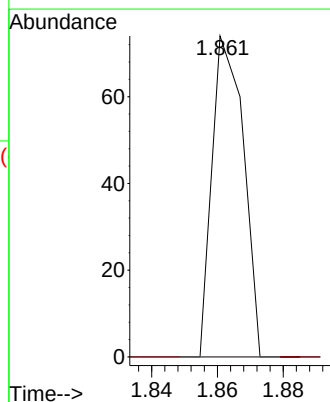
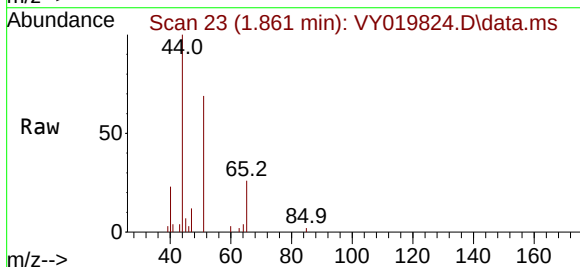
Instrument :  
MSVOA\_Y  
ClientSampleId :

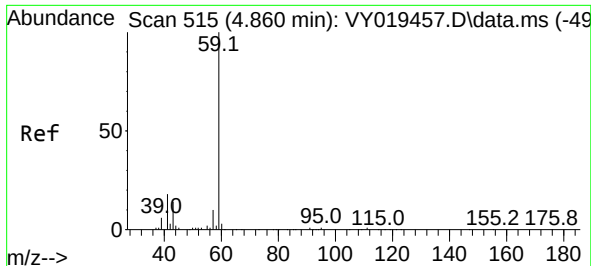
Tgt Ion:168 Resp: 225289  
Ion Ratio Lower Upper  
168 100  
99 61.3 39.1 58.7#



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.861 min Scan# 23  
Delta R.T. -0.005 min  
Lab File: VY019824.D  
Acq: 08 Oct 2024 15:45

Tgt Ion: 85 Resp: 49  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 3.431 ug/l

RT: 4.848 min Scan# 515

Delta R.T. -0.012 min

Lab File: VY019824.D

Acq: 08 Oct 2024 15:45

Instrument :

MSVOA\_Y

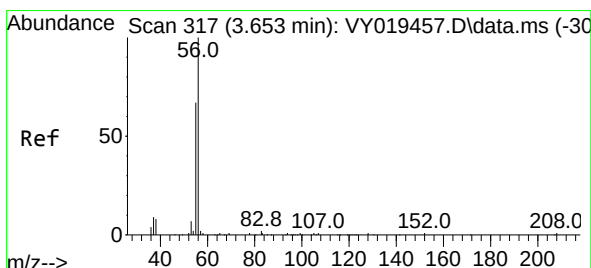
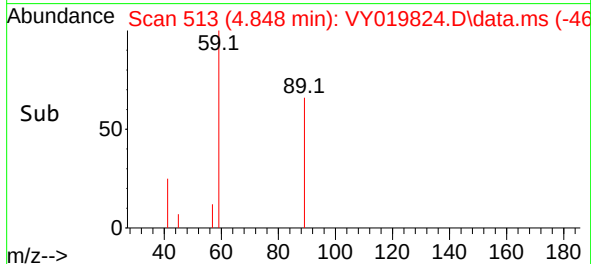
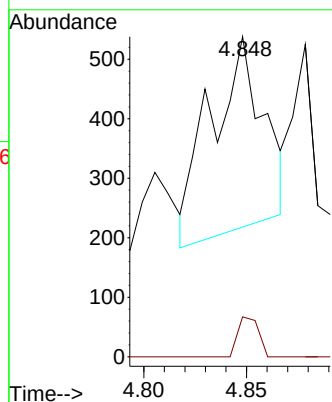
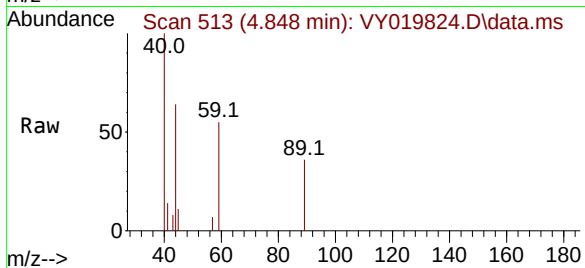
ClientSampleId :

Tgt Ion: 59 Resp: 578

Ion Ratio Lower Upper

59 100

57 8.1 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.665 min Scan# 319

Delta R.T. 0.012 min

Lab File: VY019824.D

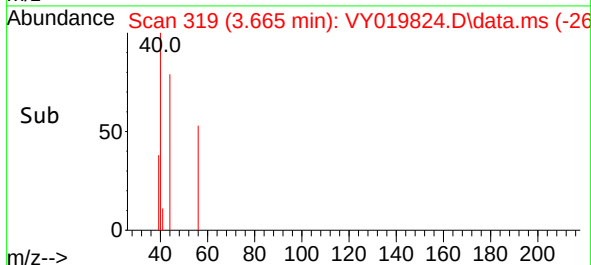
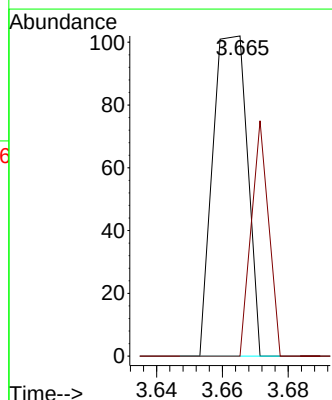
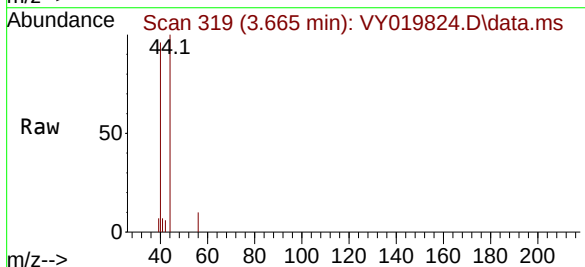
Acq: 08 Oct 2024 15:45

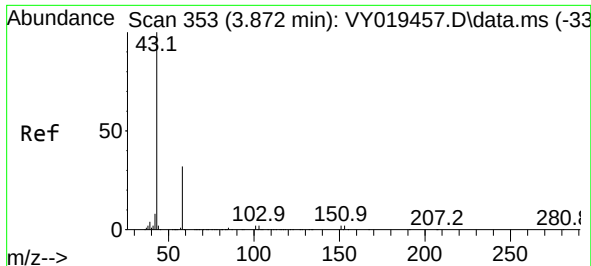
Tgt Ion: 56 Resp: 74

Ion Ratio Lower Upper

56 100

55 36.5 55.7 83.5#

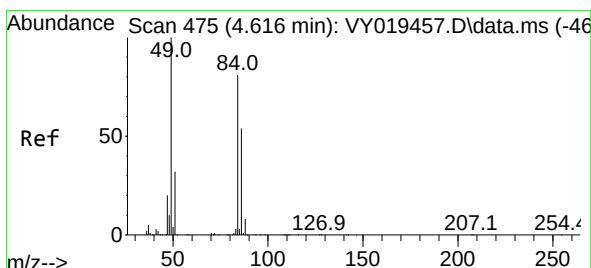
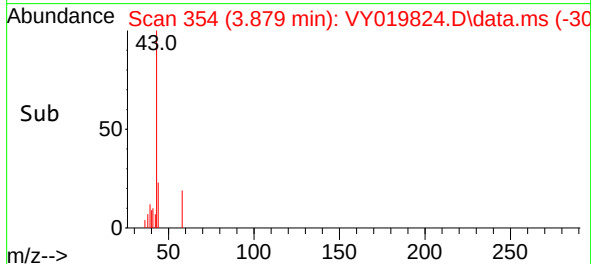
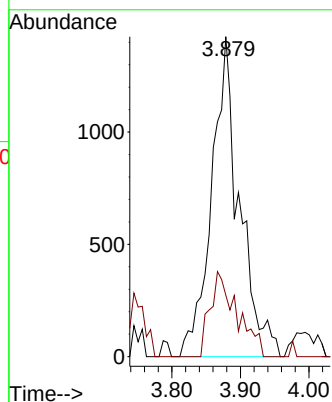
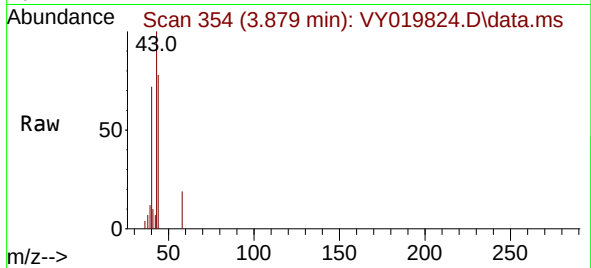




#16  
Acetone  
Concen: 8.087 ug/l  
RT: 3.879 min Scan# 353  
Delta R.T. 0.006 min  
Lab File: VY019824.D  
Acq: 08 Oct 2024 15:45

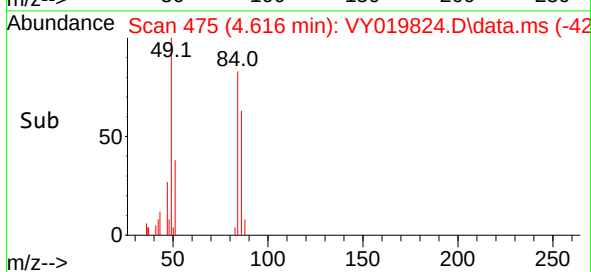
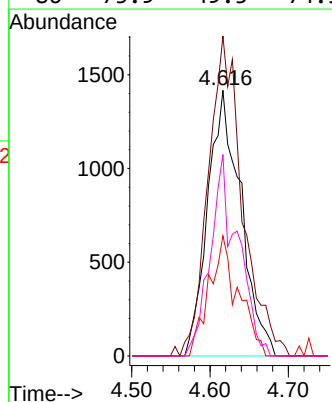
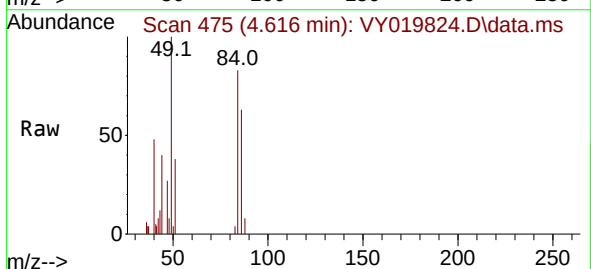
Instrument :  
MSVOA\_Y  
ClientSampleId :

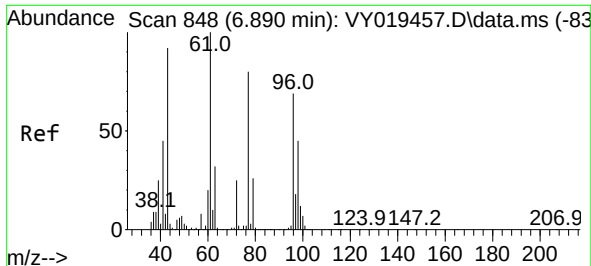
Tgt Ion: 43 Resp: 4019  
Ion Ratio Lower Upper  
43 100  
58 19.2 31.7 47.5#



#20  
Methylene Chloride  
Concen: 1.833 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY019824.D  
Acq: 08 Oct 2024 15:45

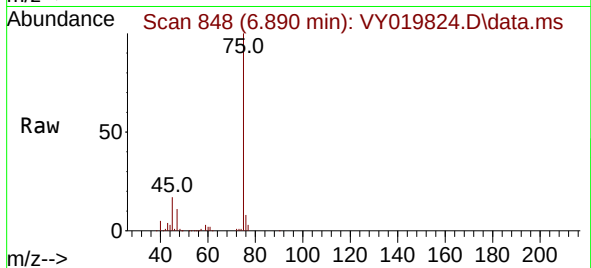
Tgt Ion: 84 Resp: 4154  
Ion Ratio Lower Upper  
84 100  
49 120.5 84.4 126.6  
51 45.2 26.0 39.0#  
86 75.9 49.5 74.3#



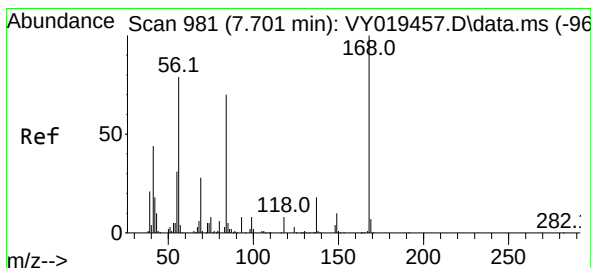
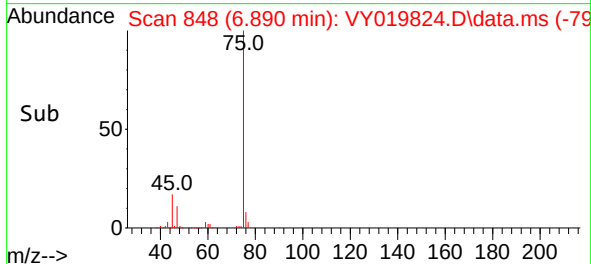
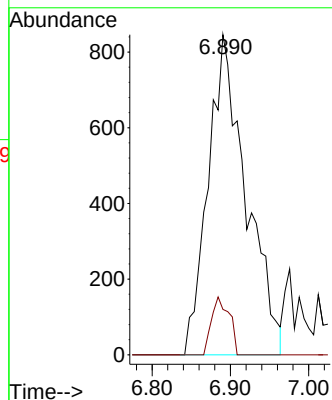


#25  
2-Butanone  
Concen: 4.038 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: VY019824.D  
Acq: 08 Oct 2024 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :

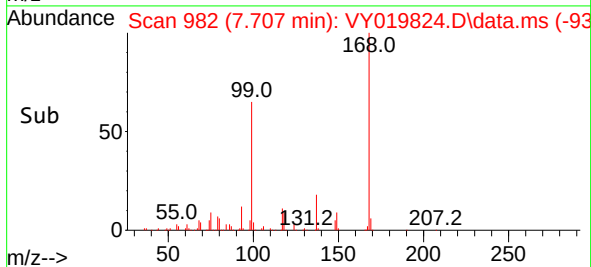
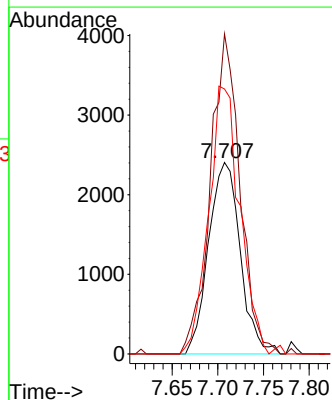
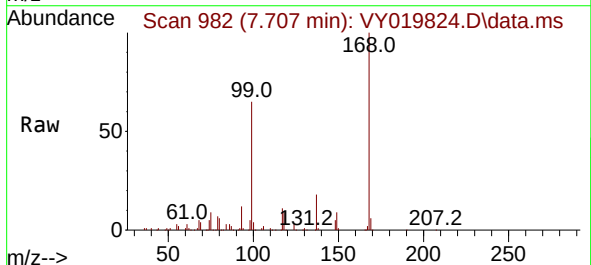


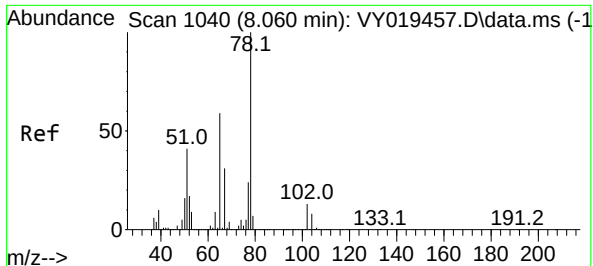
Tgt Ion: 43 Resp: 2854  
Ion Ratio Lower Upper  
43 100  
72 14.2 27.3 40.9#



#31  
Cyclohexane  
Concen: 1.551 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY019824.D  
Acq: 08 Oct 2024 15:45

Tgt Ion: 56 Resp: 5791  
Ion Ratio Lower Upper  
56 100  
69 167.2 28.7 43.1#  
84 138.4 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 69.286 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY019824.D

Acq: 08 Oct 2024 15:45

Instrument :

MSVOA\_Y

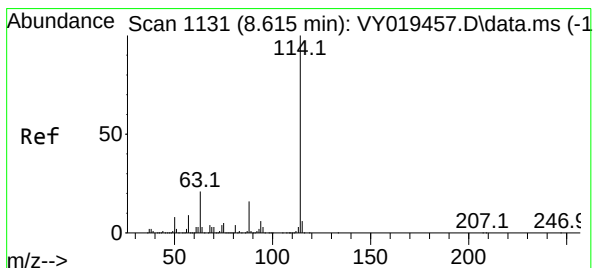
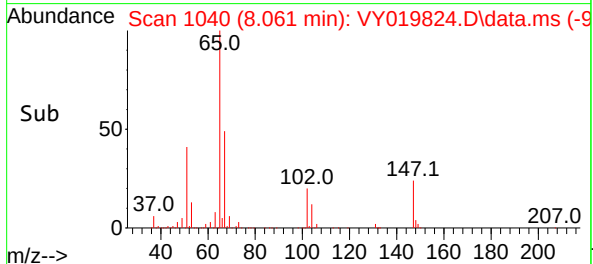
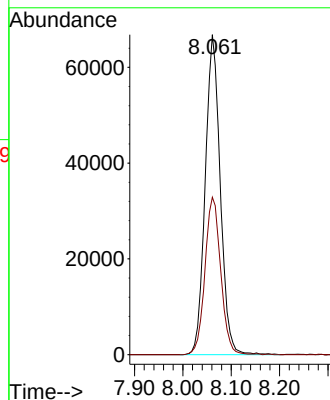
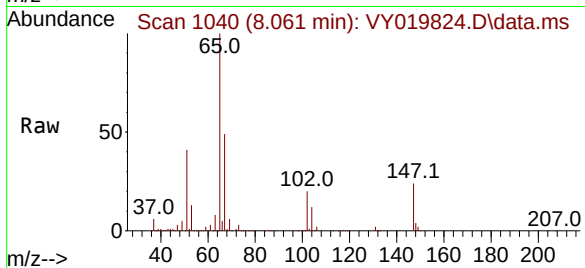
ClientSampleId :

Tgt Ion: 65 Resp: 144539

Ion Ratio Lower Upper

65 100

67 51.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019824.D

Acq: 08 Oct 2024 15:45

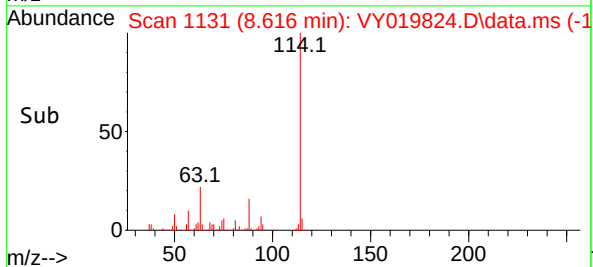
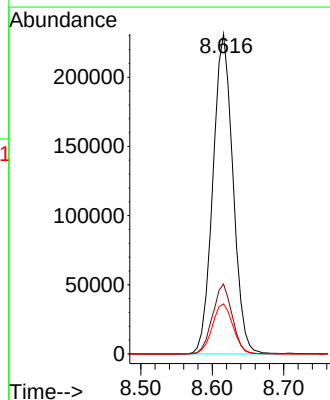
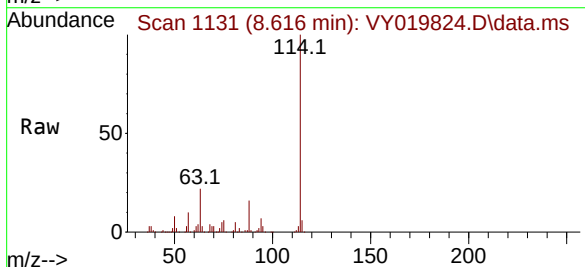
Tgt Ion: 114 Resp: 450192

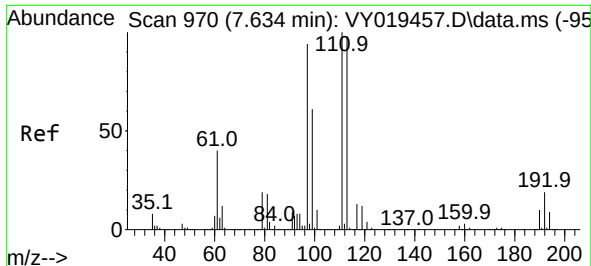
Ion Ratio Lower Upper

114 100

63 21.9 0.0 35.0

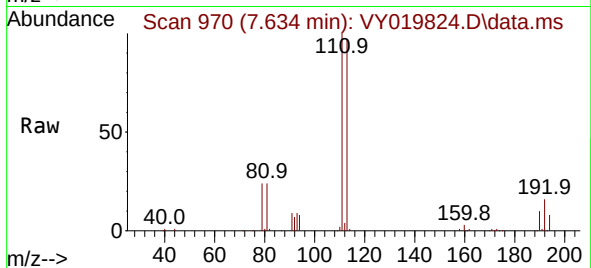
88 15.6 0.0 27.2



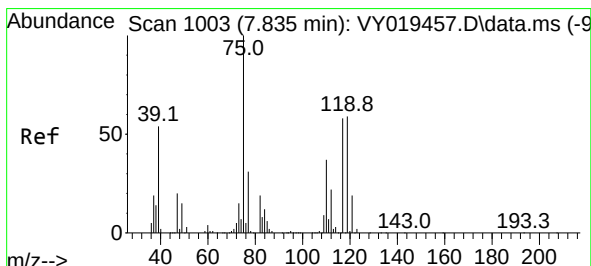
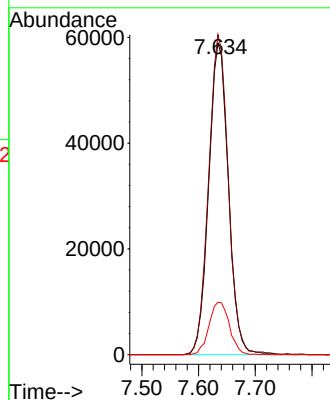
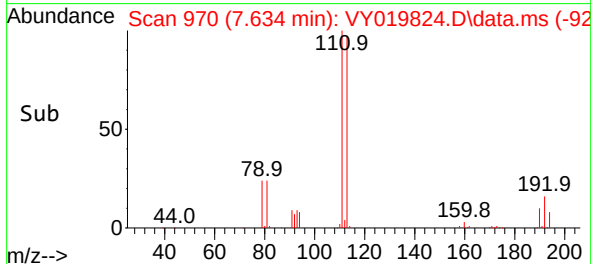


#35  
Dibromofluoromethane  
Concen: 55.708 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019824.D  
Acq: 08 Oct 2024 15:45

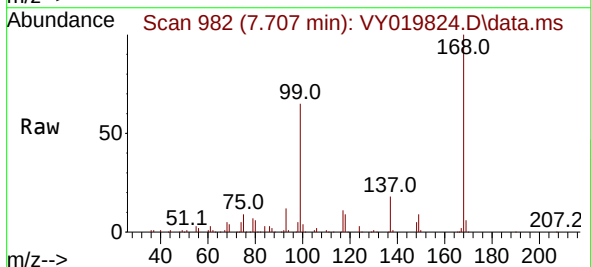
Instrument :  
MSVOA\_Y  
ClientSampleId :



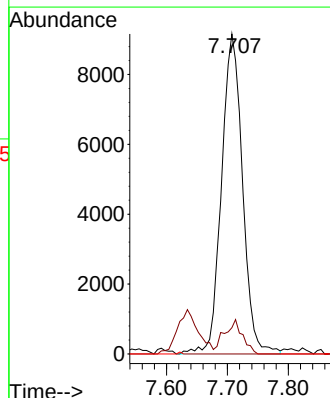
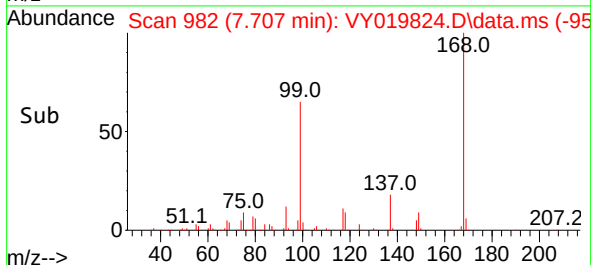
Tgt Ion:113 Resp: 142195  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.2 123.4  
192 17.5 15.9 23.9



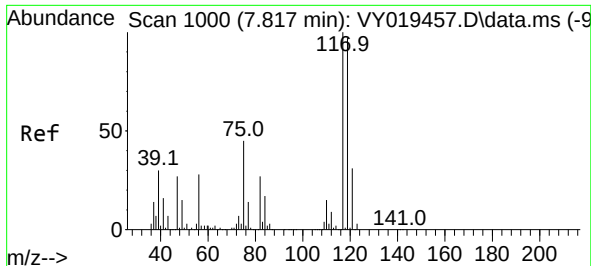
#36  
1,1-Dichloropropene  
Concen: 6.323 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY019824.D  
Acq: 08 Oct 2024 15:45



Tgt Ion: 75 Resp: 21962  
Ion Ratio Lower Upper  
75 100  
110 9.2 19.0 57.0#  
77 0.0 25.3 37.9#

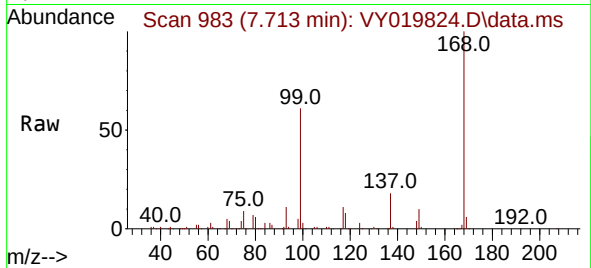




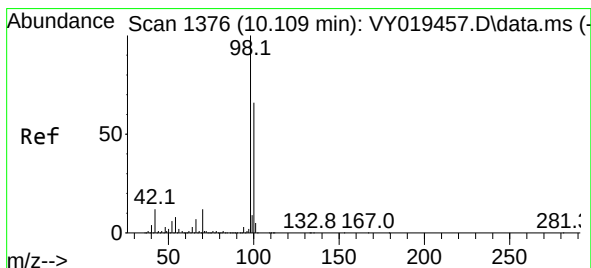
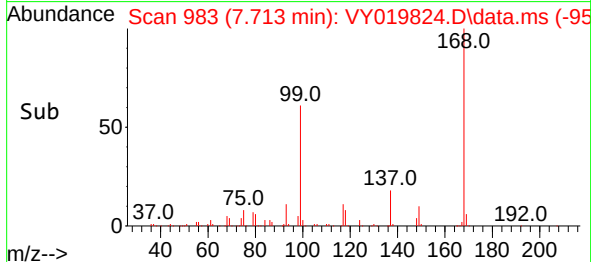
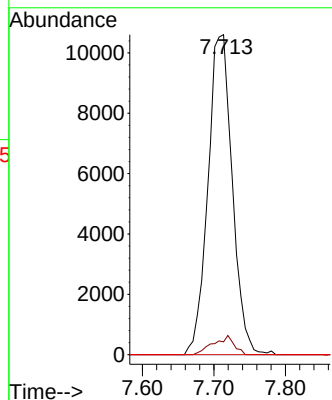


#38  
Carbon Tetrachloride  
Concen: 6.410 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. -0.103 min  
Lab File: VY019824.D  
Acq: 08 Oct 2024 15:45

Instrument :  
MSVOA\_Y  
ClientSampleId :

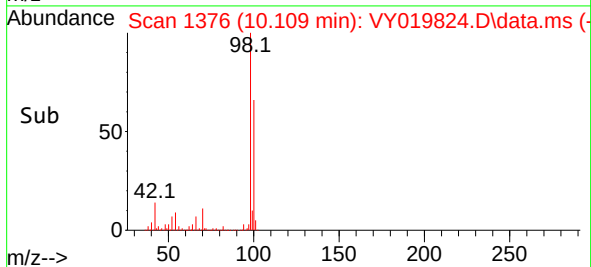
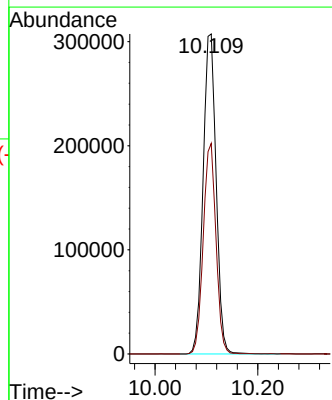
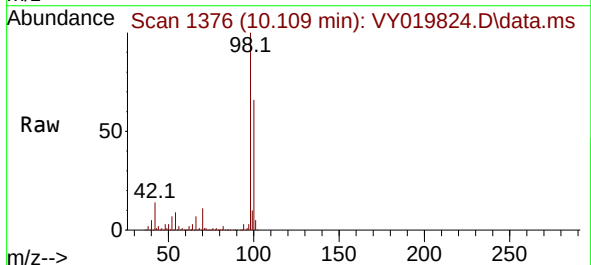


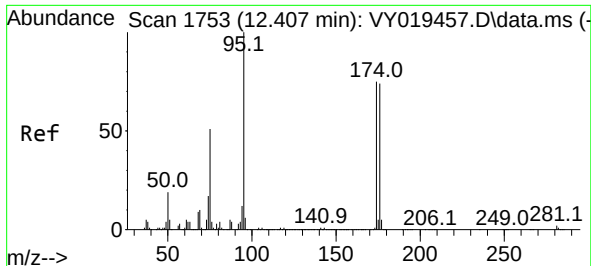
Tgt Ion:117 Resp: 25108  
Ion Ratio Lower Upper  
117 100  
119 4.0 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 57.172 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY019824.D  
Acq: 08 Oct 2024 15:45

Tgt Ion: 98 Resp: 539772  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.0 78.0

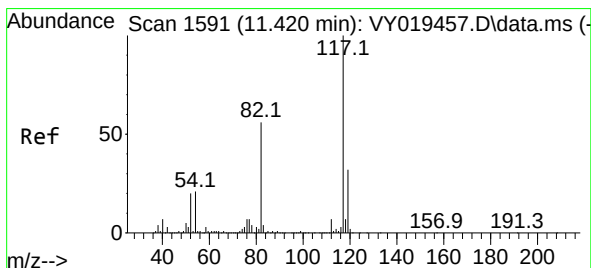
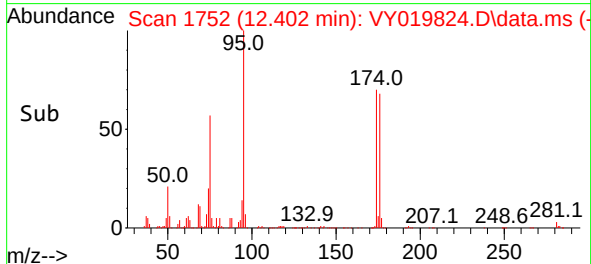
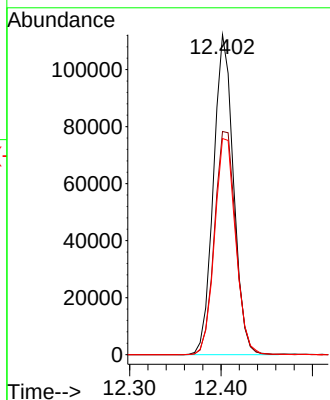
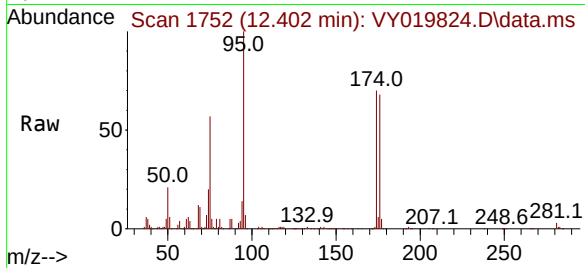




#62  
4-Bromofluorobenzene  
Concen: 47.126 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019824.D  
Acq: 08 Oct 2024 15:45

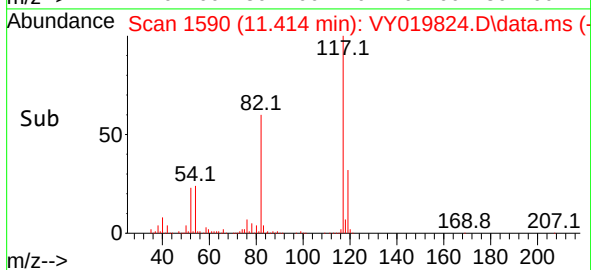
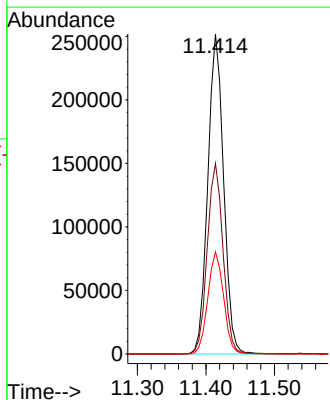
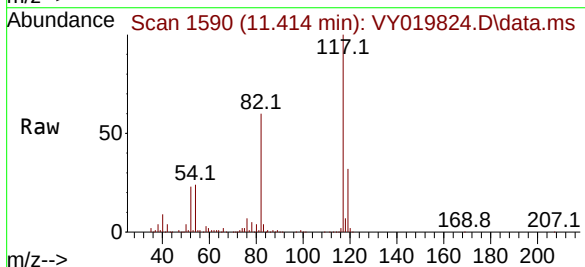
Instrument :  
MSVOA\_Y  
ClientSampleId :

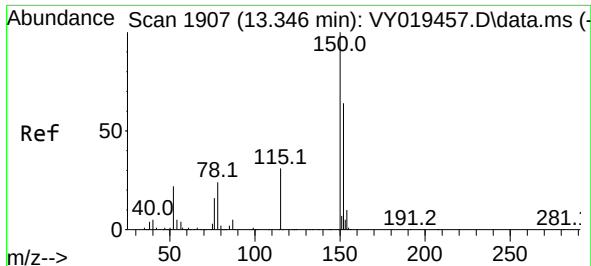
Tgt Ion: 95 Resp: 171075  
Ion Ratio Lower Upper  
95 100  
174 73.9 0.0 175.6  
176 71.2 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY019824.D  
Acq: 08 Oct 2024 15:45

Tgt Ion: 117 Resp: 403020  
Ion Ratio Lower Upper  
117 100  
82 59.6 42.4 63.6  
119 31.9 25.9 38.9

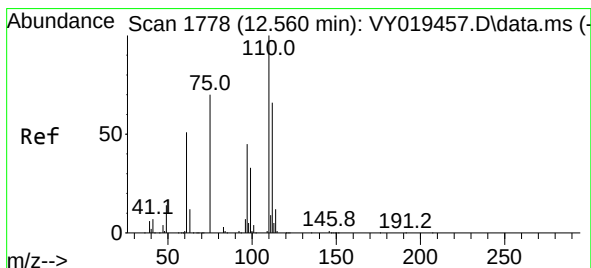
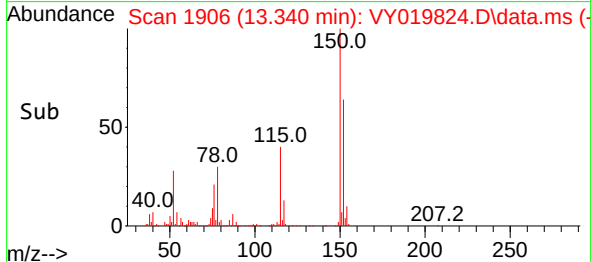
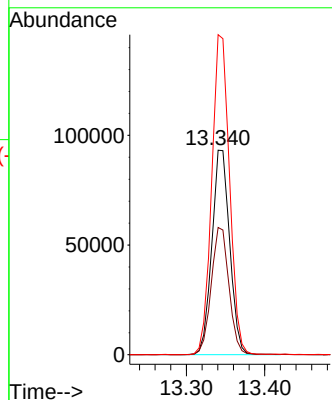
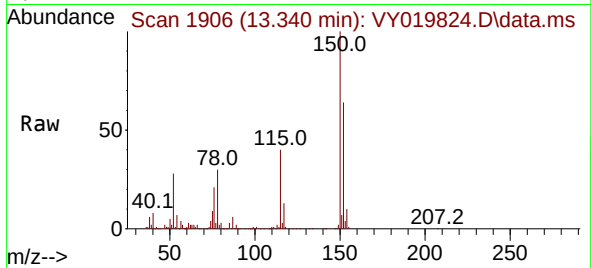




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.340 min Scan# 1907  
 Delta R.T. -0.006 min  
 Lab File: VY019824.D  
 Acq: 08 Oct 2024 15:45

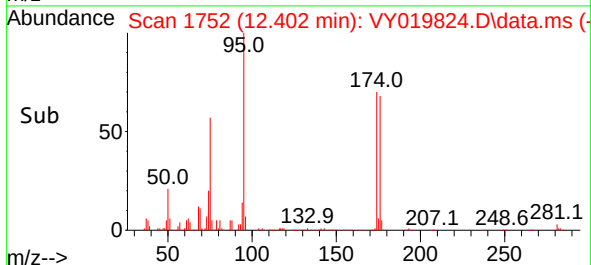
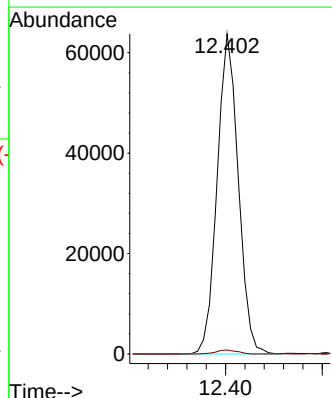
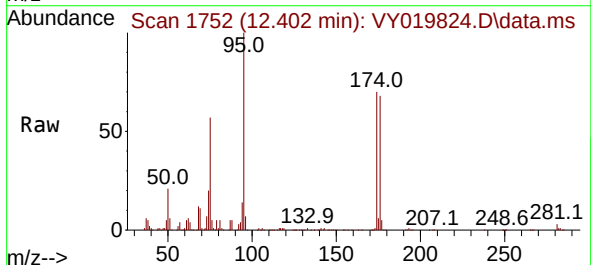
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

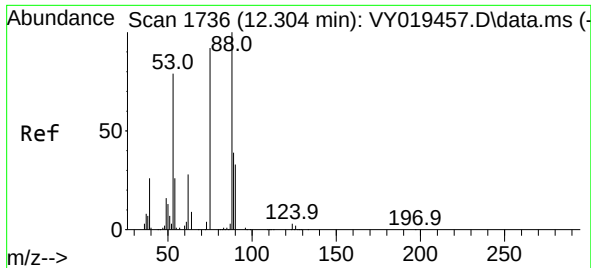
Tgt Ion:152 Resp: 147479  
 Ion Ratio Lower Upper  
 152 100  
 115 61.9 28.2 84.7  
 150 155.9 0.0 345.6



#76  
 1,2,3-Trichloropropane  
 Concen: 69.781 ug/l  
 RT: 12.402 min Scan# 1752  
 Delta R.T. -0.158 min  
 Lab File: VY019824.D  
 Acq: 08 Oct 2024 15:45

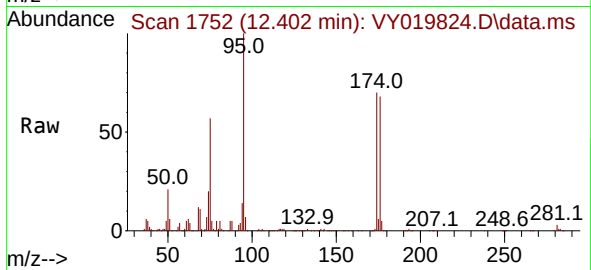
Tgt Ion: 75 Resp: 96459  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 133.960 ug/l  
 RT: 12.402 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY019824.D  
 Acq: 08 Oct 2024 15:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 96459  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 66.8 100.2#  
 89 0.0 35.8 53.6#

