

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102524\  
 Data File : VY020021.D  
 Acq On : 25 Oct 2024 13:02  
 Operator : SY/MD  
 Sample : P4515-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 26 00:20:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 16 05:44:48 2024  
 Response via : Initial Calibration

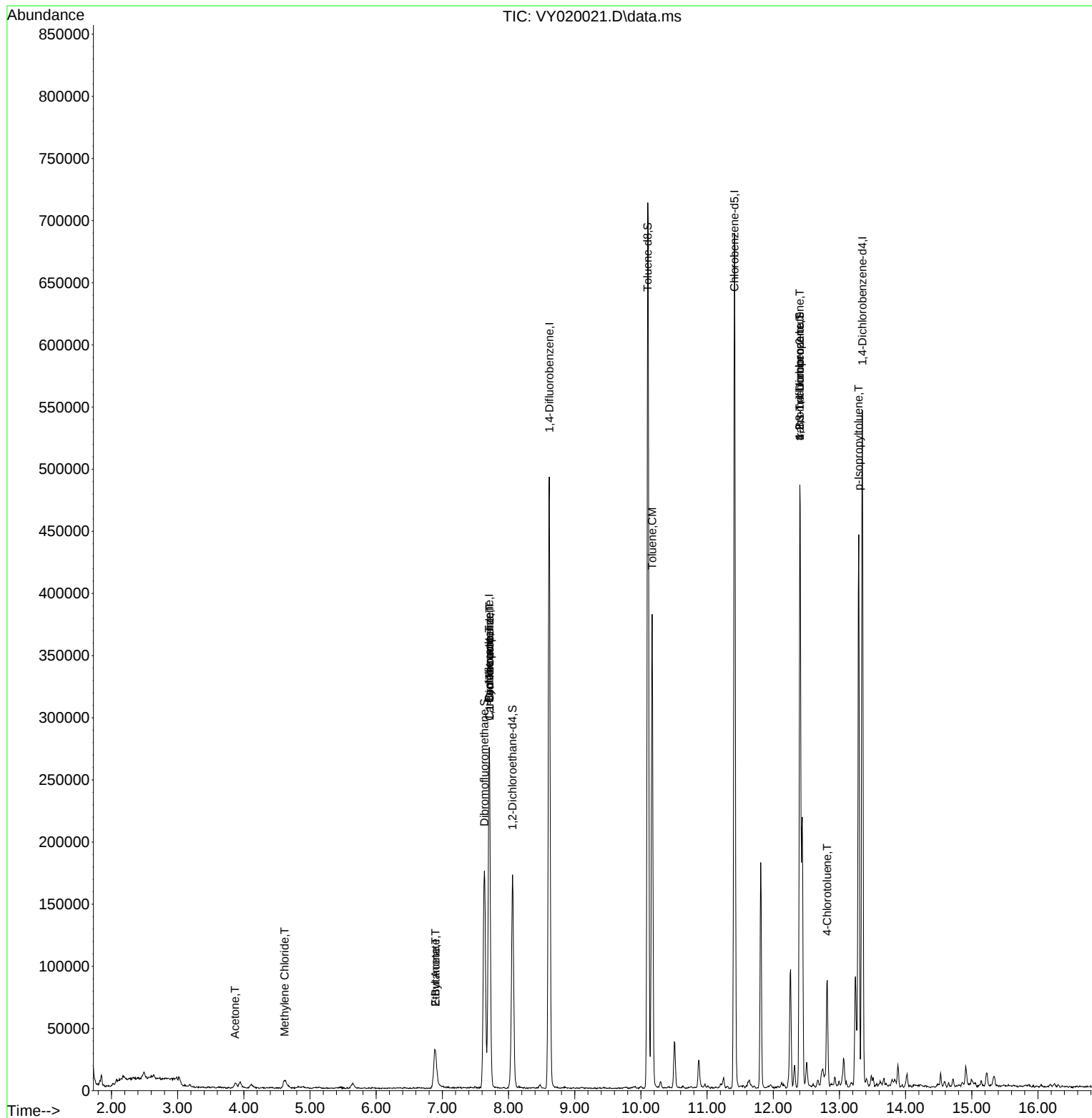
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 190367   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 387057   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 328147   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 122324   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 128356   | 54.760    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 109.520% |          |
| 35) Dibromofluoromethane      | 7.634  | 113   | 125365   | 49.083    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 98.160%  |          |
| 50) Toluene-d8                | 10.103 | 98    | 443273   | 46.996    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 94.000%  |          |
| 62) 4-Bromofluorobenzene      | 12.401 | 95    | 143071   | 41.980    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | = 83.960%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.836  | 59    | 294      | Below Cal | #          | 88       |
| 16) Acetone                   | 3.866  | 43    | 7124     | 11.675    | ug/l #     | 79       |
| 20) Methylene Chloride        | 4.616  | 84    | 4117     | 1.036     | ug/l #     | 87       |
| 25) 2-Butanone                | 6.896  | 43    | 4672     | 5.720     | ug/l #     | 81       |
| 31) Cyclohexane               | 7.707  | 56    | 6244     | 1.594     | ug/l #     | 14       |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 19896    | 5.407     | ug/l #     | 40       |
| 37) Ethyl Acetate             | 6.896  | 43    | 4672     | 2.435     | ug/l #     | 53       |
| 38) Carbon Tetrachloride      | 7.713  | 117   | 22259    | 5.643     | ug/l #     | 19       |
| 52) Toluene                   | 10.170 | 92    | 147572   | 21.229    | ug/l       | 100      |
| 76) 1,2,3-Trichloropropane    | 12.401 | 75    | 81926    | 34.188    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401 | 75    | 81926    | 137.997   | ug/l #     | 16       |
| 82) 4-Chlorotoluene           | 12.816 | 91    | 10971    | 1.505     | ug/l #     | 39       |
| 86) p-Isopropyltoluene        | 13.291 | 119   | 224505   | 24.859    | ug/l       | 93       |
| -----                         |        |       |          |           |            |          |

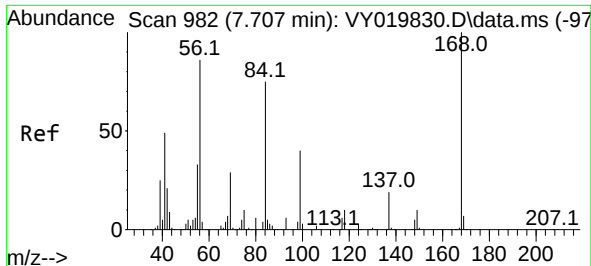
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102524\  
Data File : VY020021.D  
Acq On : 25 Oct 2024 13:02  
Operator : SY/MD  
Sample : P4515-01  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 26 00:20:42 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 16 05:44:48 2024  
Response via : Initial Calibration

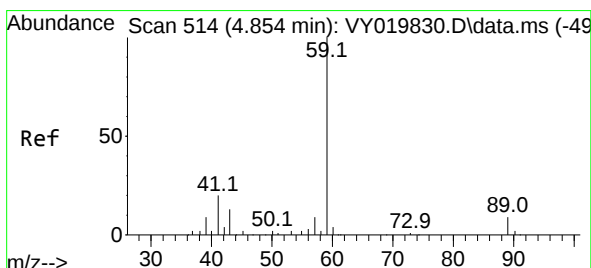
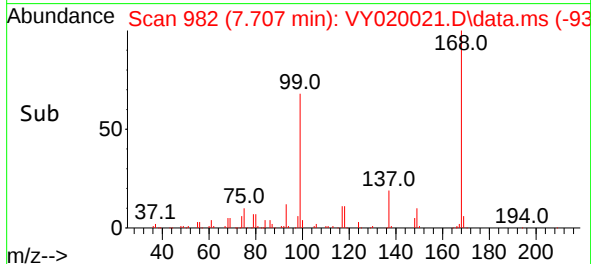
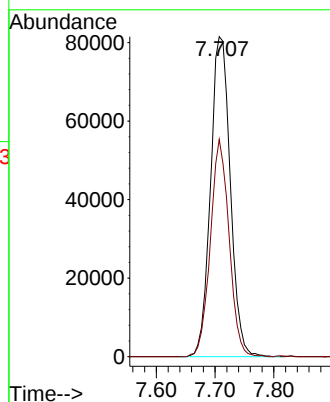
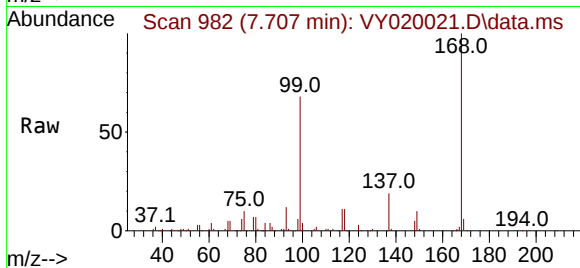




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020021.D  
Acq: 25 Oct 2024 13:02

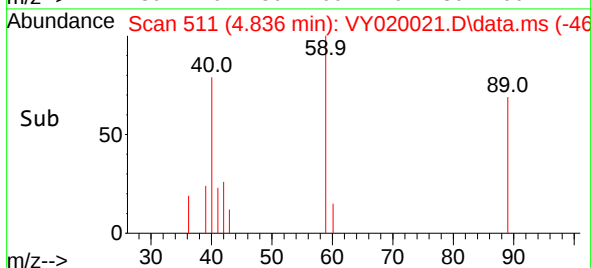
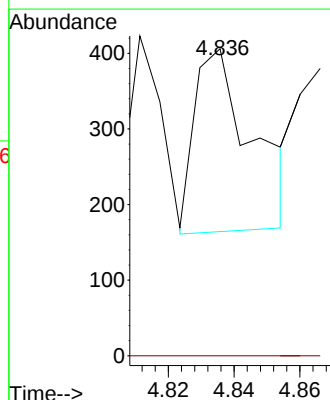
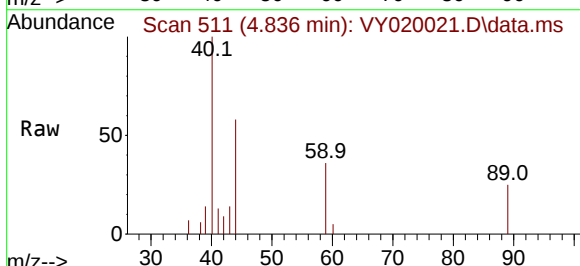
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:168 Resp: 190367  
Ion Ratio Lower Upper  
168 100  
99 67.9 39.1 58.7#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.836 min Scan# 511  
Delta R.T. -0.024 min  
Lab File: VY020021.D  
Acq: 25 Oct 2024 13:02

Tgt Ion: 59 Resp: 294  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#

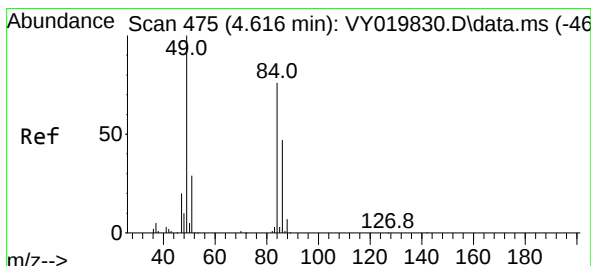
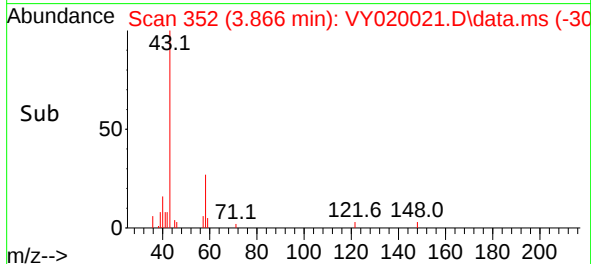
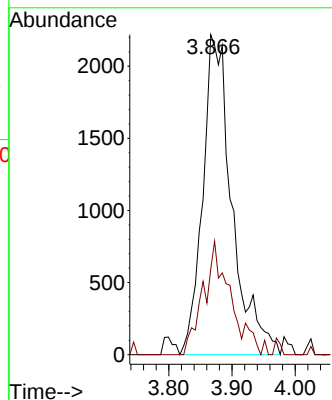
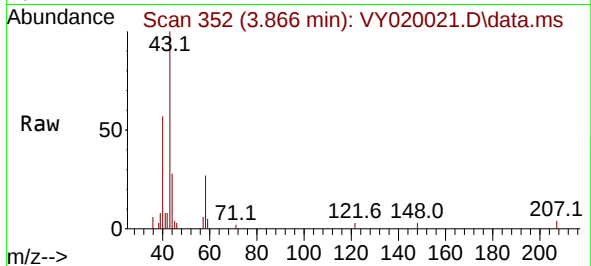




#16  
Acetone  
Concen: 11.675 ug/l  
RT: 3.866 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VY020021.D  
Acq: 25 Oct 2024 13:02

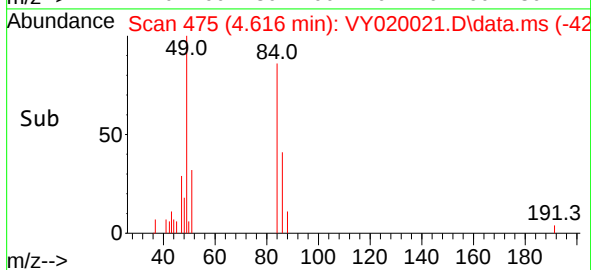
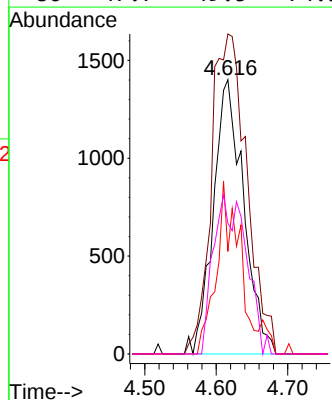
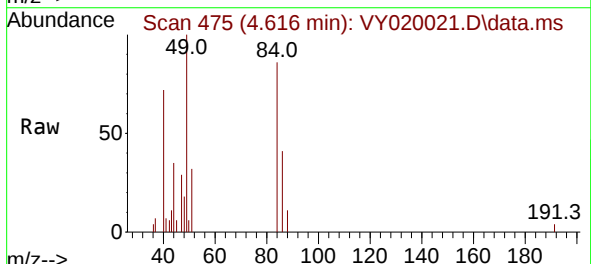
Instrument :  
MSVOA\_Y  
ClientSampleId :

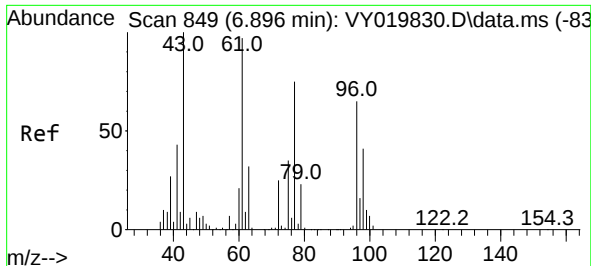
Tgt Ion: 43 Resp: 7124  
Ion Ratio Lower Upper  
43 100  
58 26.7 31.7 47.5#



#20  
Methylene Chloride  
Concen: 1.036 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY020021.D  
Acq: 25 Oct 2024 13:02

Tgt Ion: 84 Resp: 4117  
Ion Ratio Lower Upper  
84 100  
49 116.7 84.4 126.6  
51 37.4 26.0 39.0  
86 47.7 49.5 74.3#





#25

2-Butanone

Concen: 5.720 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.006 min

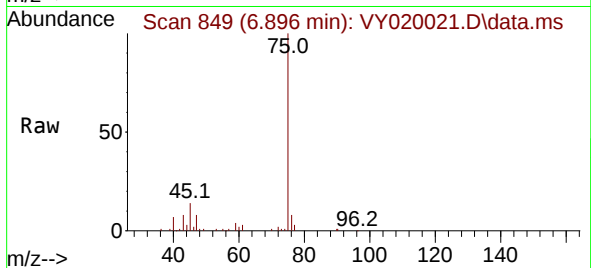
Lab File: VY020021.D

Acq: 25 Oct 2024 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

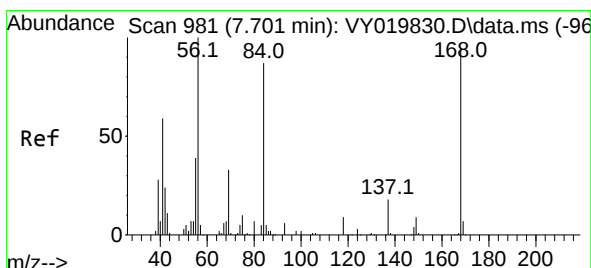
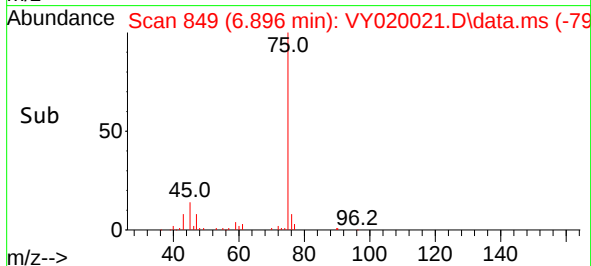
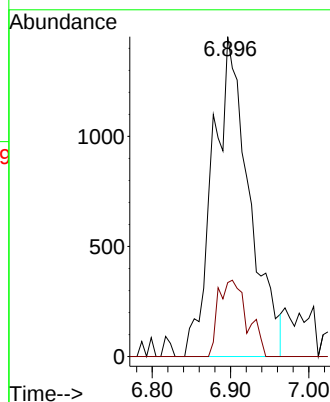


Tgt Ion: 43 Resp: 4672

Ion Ratio Lower Upper

43 100

72 23.1 27.3 40.9#



#31

Cyclohexane

Concen: 1.594 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY020021.D

Acq: 25 Oct 2024 13:02

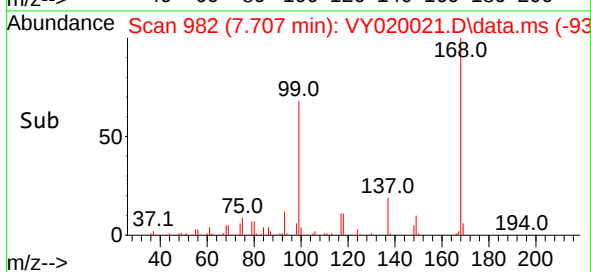
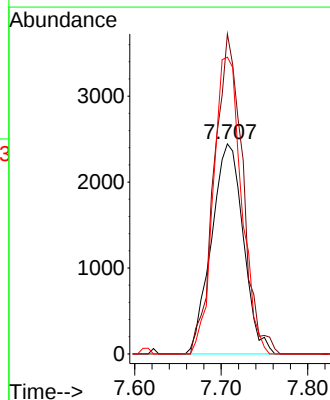
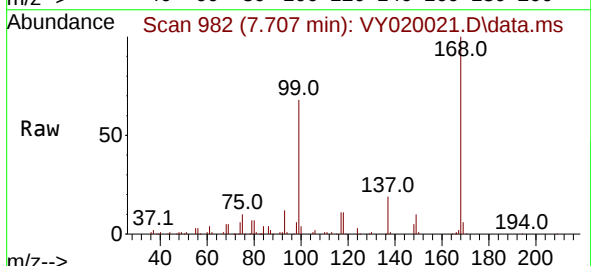
Tgt Ion: 56 Resp: 6244

Ion Ratio Lower Upper

56 100

69 152.3 28.7 43.1#

84 141.3 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 54.760 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY020021.D

Acq: 25 Oct 2024 13:02

Instrument :

MSVOA\_Y

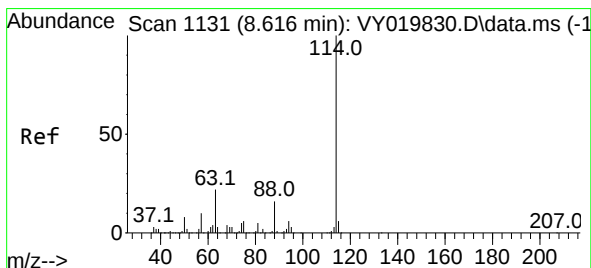
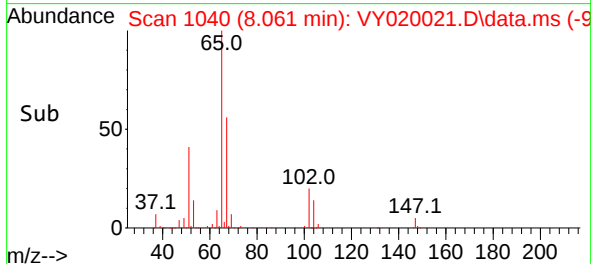
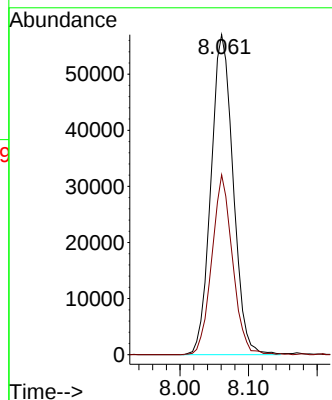
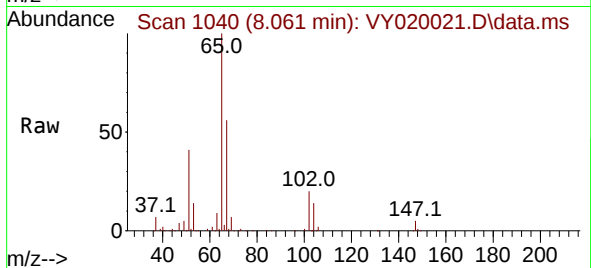
ClientSampleId :

Tgt Ion: 65 Resp: 128356

Ion Ratio Lower Upper

65 100

67 52.5 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: VY020021.D

Acq: 25 Oct 2024 13:02

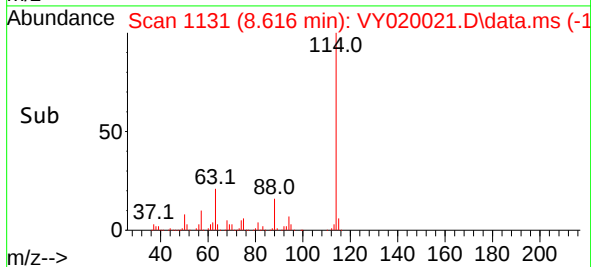
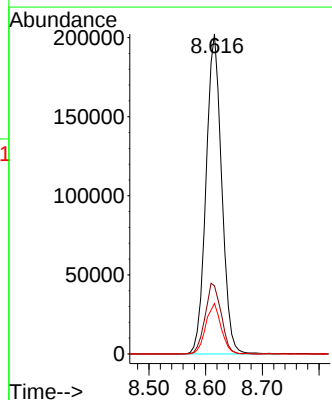
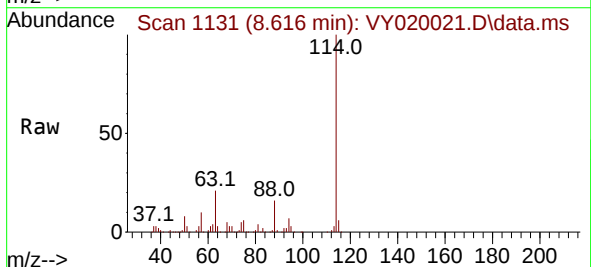
Tgt Ion: 114 Resp: 387057

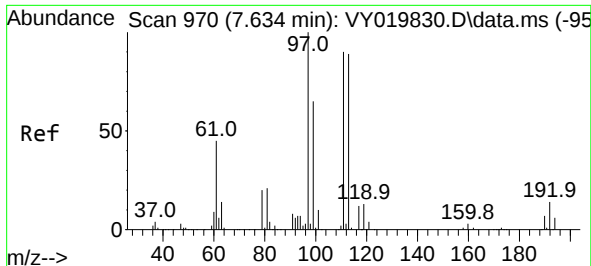
Ion Ratio Lower Upper

114 100

63 21.3 0.0 35.0

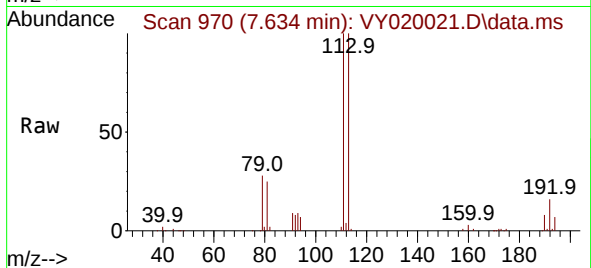
88 15.7 0.0 27.2



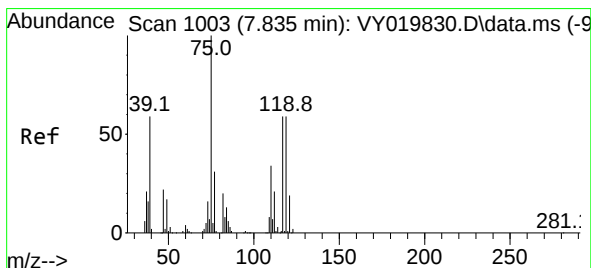
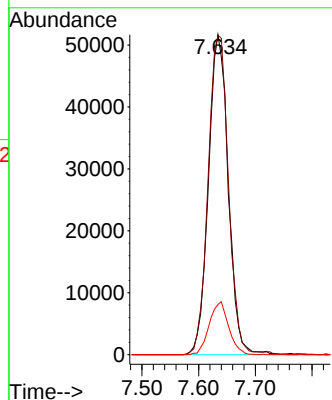
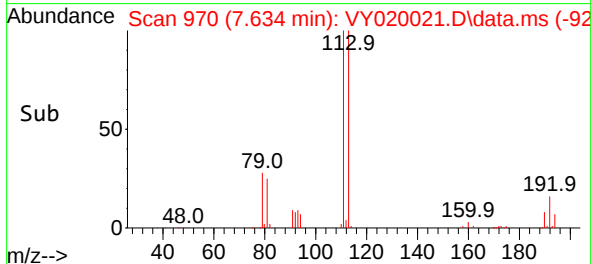


#35  
Dibromofluoromethane  
Concen: 49.083 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020021.D  
Acq: 25 Oct 2024 13:02

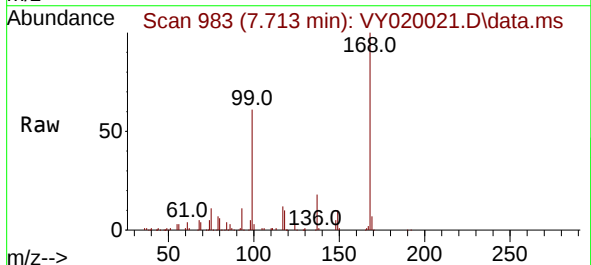
Instrument :  
MSVOA\_Y  
ClientSampleId :



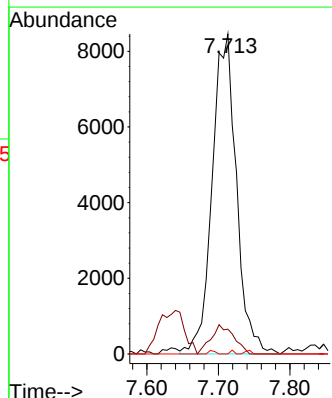
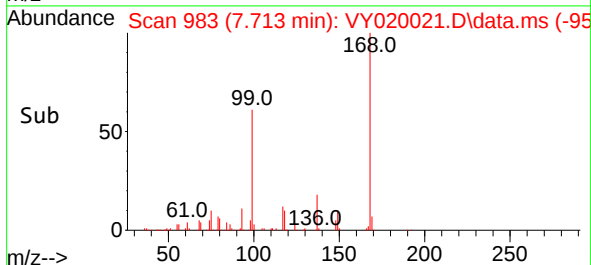
Tgt Ion:113 Resp: 125365  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.2 123.4  
192 16.3 15.9 23.9

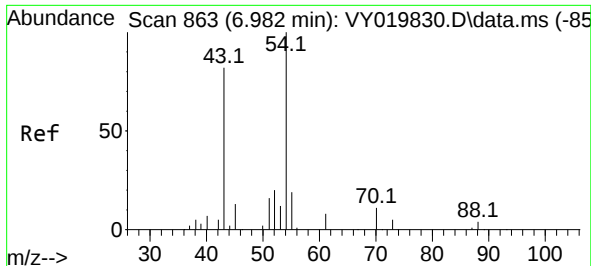


#36  
1,1-Dichloropropene  
Concen: 5.407 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. -0.122 min  
Lab File: VY020021.D  
Acq: 25 Oct 2024 13:02



Tgt Ion: 75 Resp: 19896  
Ion Ratio Lower Upper  
75 100  
110 0.0 19.0 57.0#  
77 0.2 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.435 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.085 min

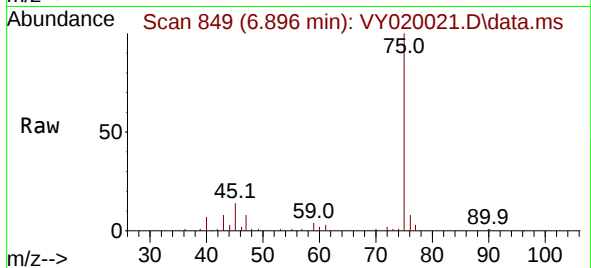
Lab File: VY020021.D

Acq: 25 Oct 2024 13:02

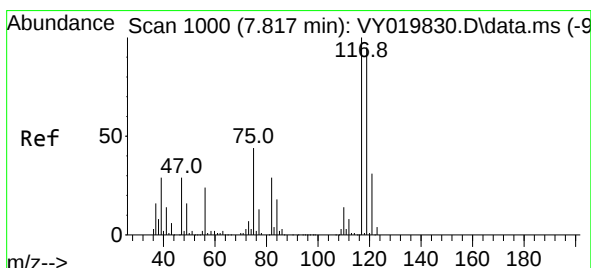
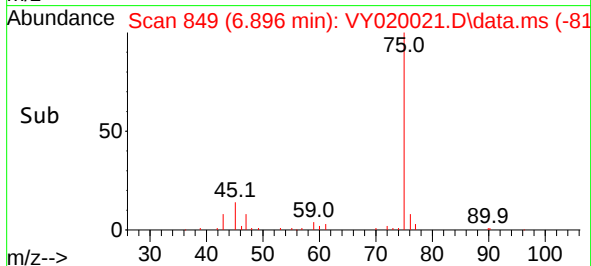
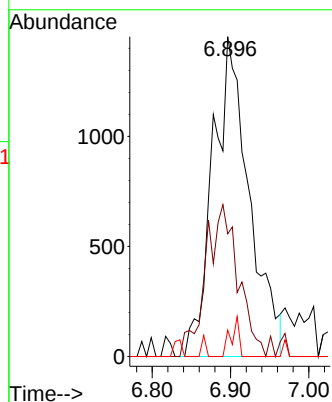
Instrument :

MSVOA\_Y

ClientSampleId :



|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 4672      |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 61          | 42.7 12.6 19.0# |
| 70          | 2.8 7.8 11.8#   |



#38

Carbon Tetrachloride

Concen: 5.643 ug/l

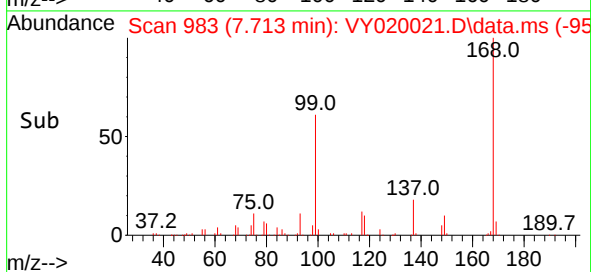
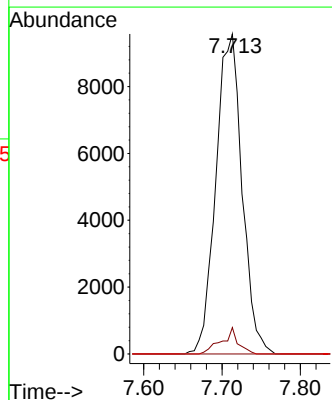
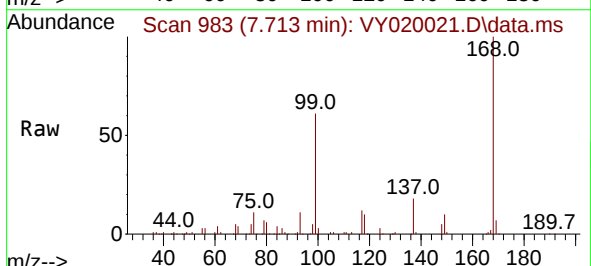
RT: 7.713 min Scan# 983

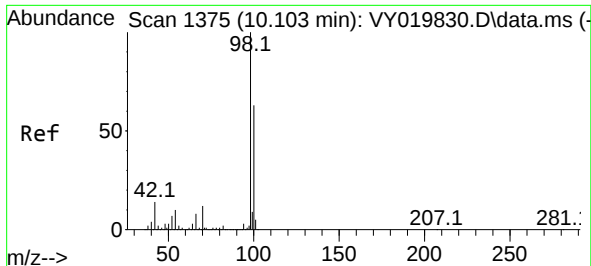
Delta R.T. -0.103 min

Lab File: VY020021.D

Acq: 25 Oct 2024 13:02

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 22259     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 8.3 75.8 113.6# |
| 121          | 0.0 24.0 36.0#  |

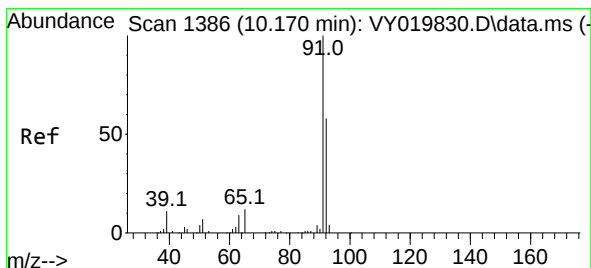
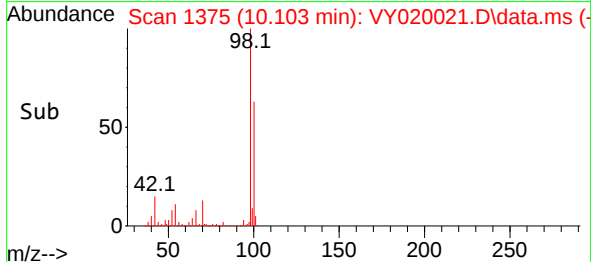
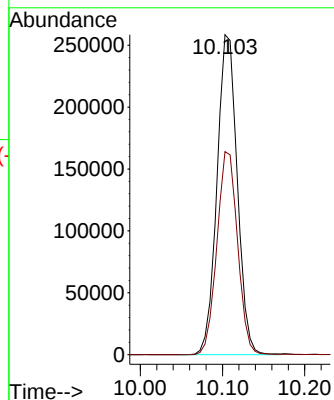
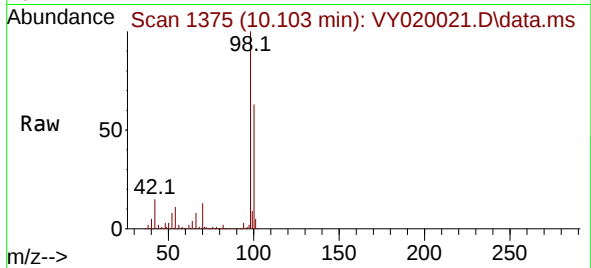




#50  
Toluene-d8  
Concen: 46.996 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.006 min  
Lab File: VY020021.D  
Acq: 25 Oct 2024 13:02

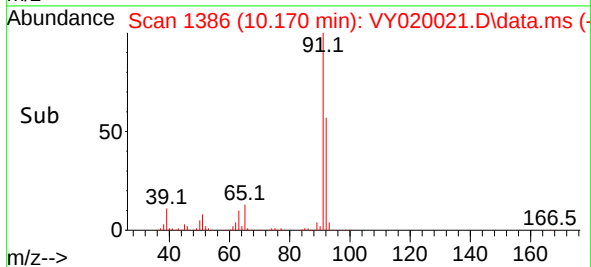
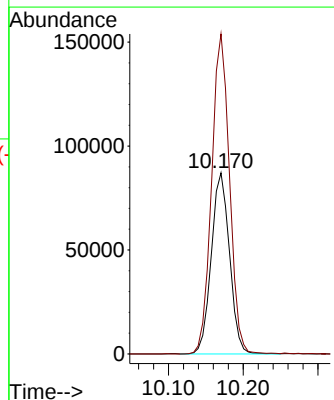
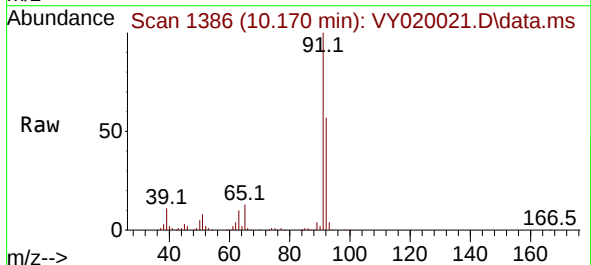
Instrument :  
MSVOA\_Y  
ClientSampleId :

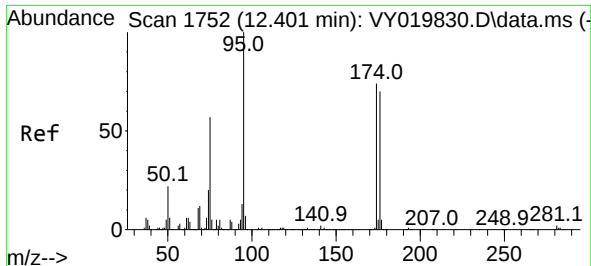
Tgt Ion: 98 Resp: 443273  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.0 78.0



#52  
Toluene  
Concen: 21.229 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: VY020021.D  
Acq: 25 Oct 2024 13:02

Tgt Ion: 92 Resp: 147572  
Ion Ratio Lower Upper  
92 100  
91 173.6 139.0 208.6

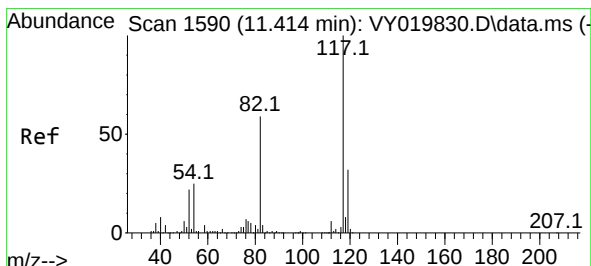
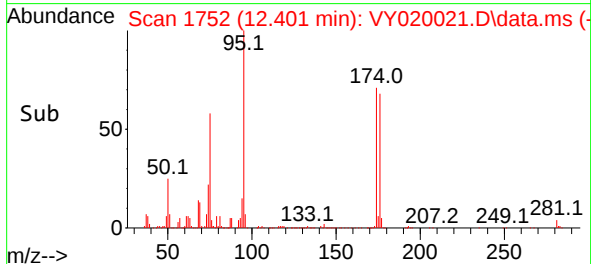
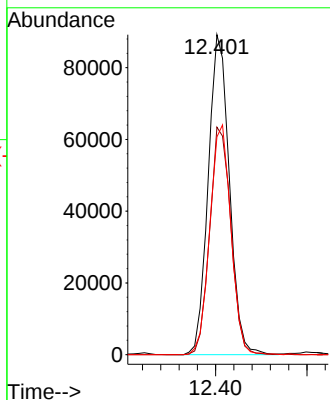
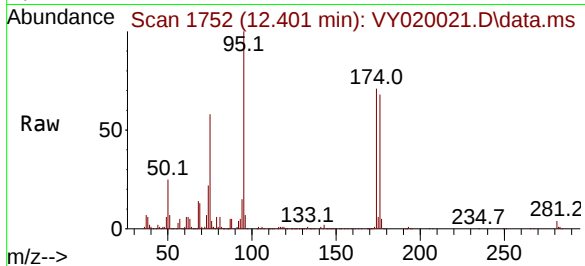




#62  
4-Bromofluorobenzene  
Concen: 41.980 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY020021.D  
Acq: 25 Oct 2024 13:02

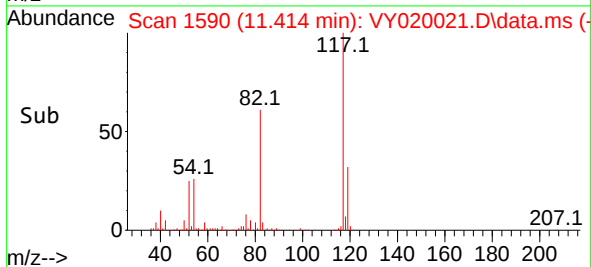
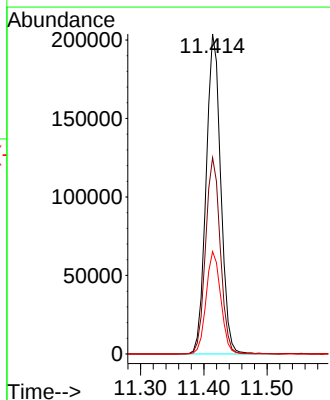
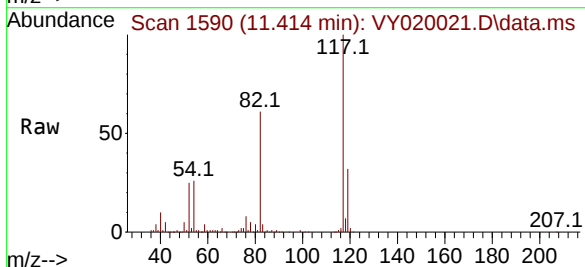
Instrument :  
MSVOA\_Y  
ClientSampleId :

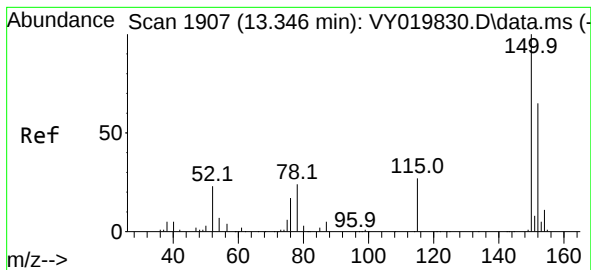
Tgt Ion: 95 Resp: 143071  
Ion Ratio Lower Upper  
95 100  
174 71.2 0.0 175.6  
176 71.6 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY020021.D  
Acq: 25 Oct 2024 13:02

Tgt Ion: 117 Resp: 328147  
Ion Ratio Lower Upper  
117 100  
82 61.4 42.4 63.6  
119 32.0 25.9 38.9

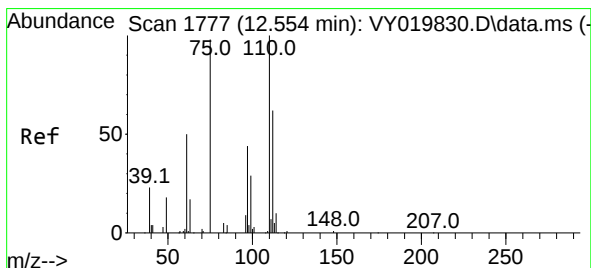
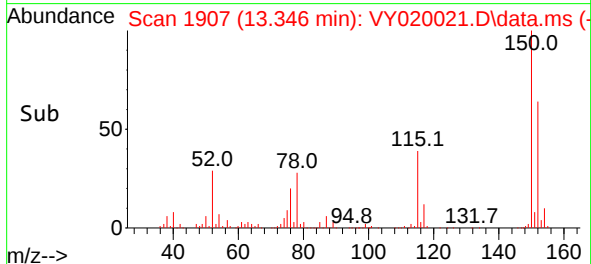
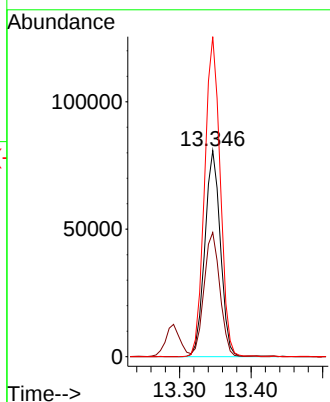
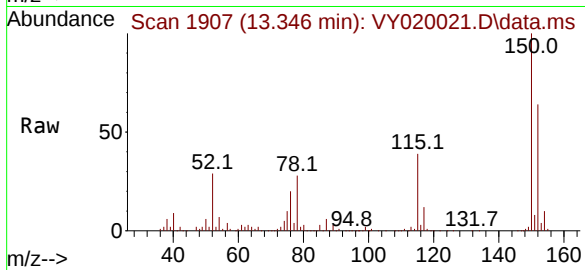




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY020021.D  
 Acq: 25 Oct 2024 13:02

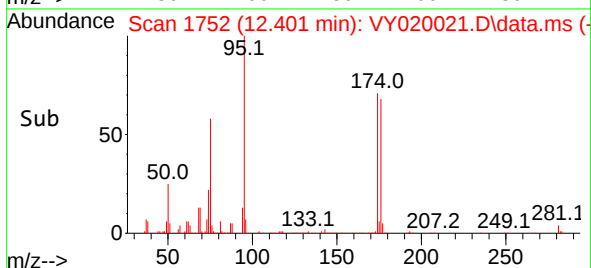
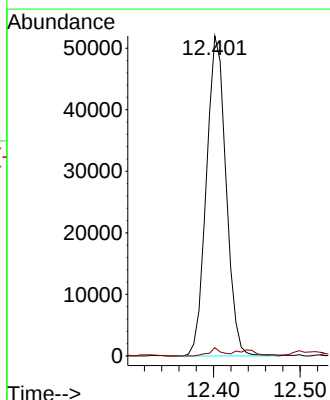
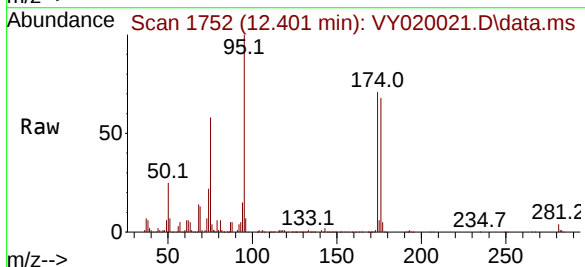
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

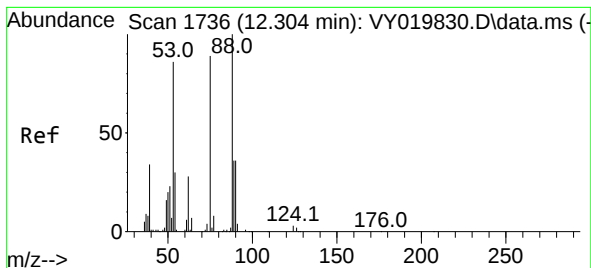
Tgt Ion:152 Resp: 122324  
 Ion Ratio Lower Upper  
 152 100  
 115 60.9 28.2 84.7  
 150 155.4 0.0 345.6



#76  
 1,2,3-Trichloropropane  
 Concen: 34.188 ug/l  
 RT: 12.401 min Scan# 1752  
 Delta R.T. -0.158 min  
 Lab File: VY020021.D  
 Acq: 25 Oct 2024 13:02

Tgt Ion: 75 Resp: 81926  
 Ion Ratio Lower Upper  
 75 100  
 77 1.7 0.0 0.0#

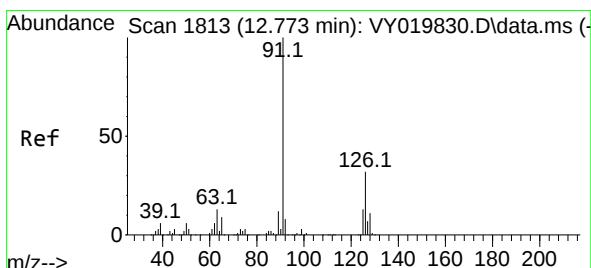
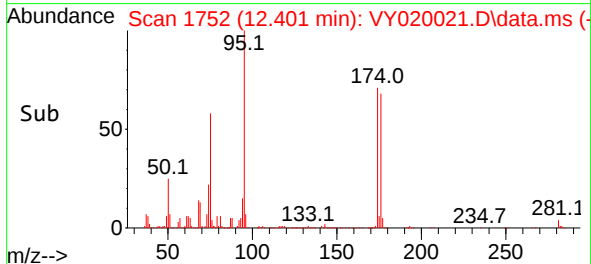
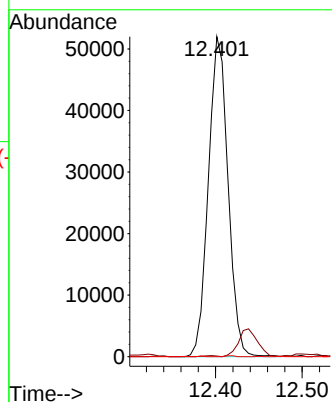
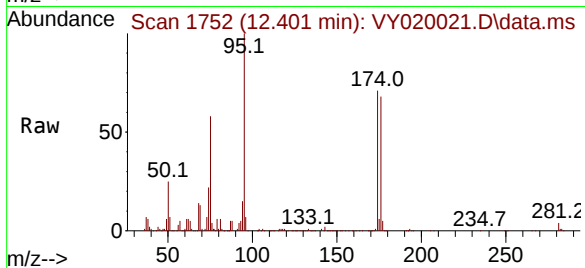




#81  
trans-1,4-Dichloro-2-butene  
Concen: 137.997 ug/l  
RT: 12.401 min Scan# 11  
Delta R.T. 0.098 min  
Lab File: VY020021.D  
Acq: 25 Oct 2024 13:02

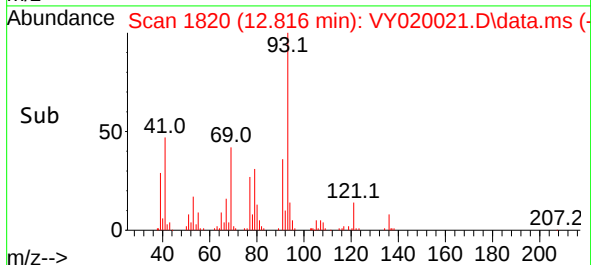
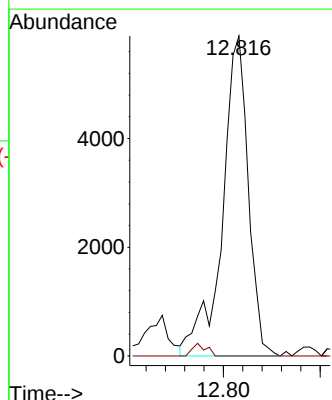
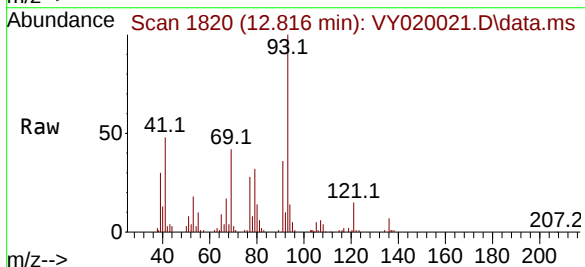
Instrument :  
MSVOA\_Y  
ClientSampleId :

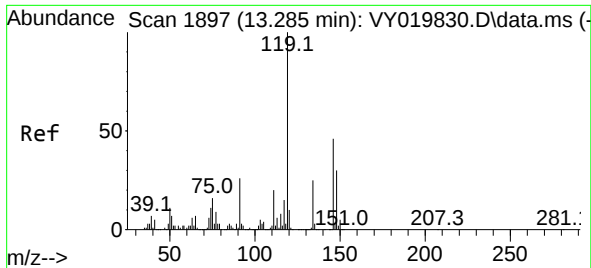
Tgt Ion: 75 Resp: 81926  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.1 35.8 53.6#



#82  
4-Chlorotoluene  
Concen: 1.505 ug/l  
RT: 12.816 min Scan# 1820  
Delta R.T. 0.037 min  
Lab File: VY020021.D  
Acq: 25 Oct 2024 13:02

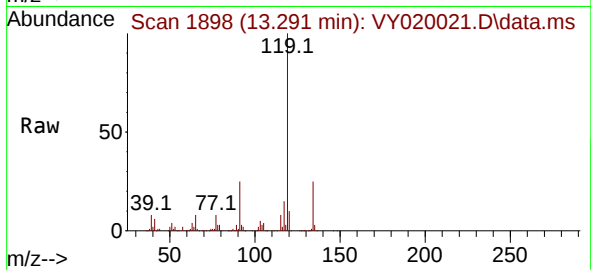
Tgt Ion: 91 Resp: 10971  
Ion Ratio Lower Upper  
91 100  
126 0.0 17.6 52.9#





#86  
 p-Isopropyltoluene  
 Concen: 24.859 ug/l  
 RT: 13.291 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VY020021.D  
 Acq: 25 Oct 2024 13:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion:119 Resp: 224505  
 Ion Ratio Lower Upper  
 119 100  
 134 24.8 13.1 39.3  
 91 27.4 10.7 32.1

