

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
 Data File : VY019391.D  
 Acq On : 30 Aug 2024 13:31  
 Operator : SY/MD  
 Sample : VY0830SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 30 16:19:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082924S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 02:45:30 2024  
 Response via : Initial Calibration

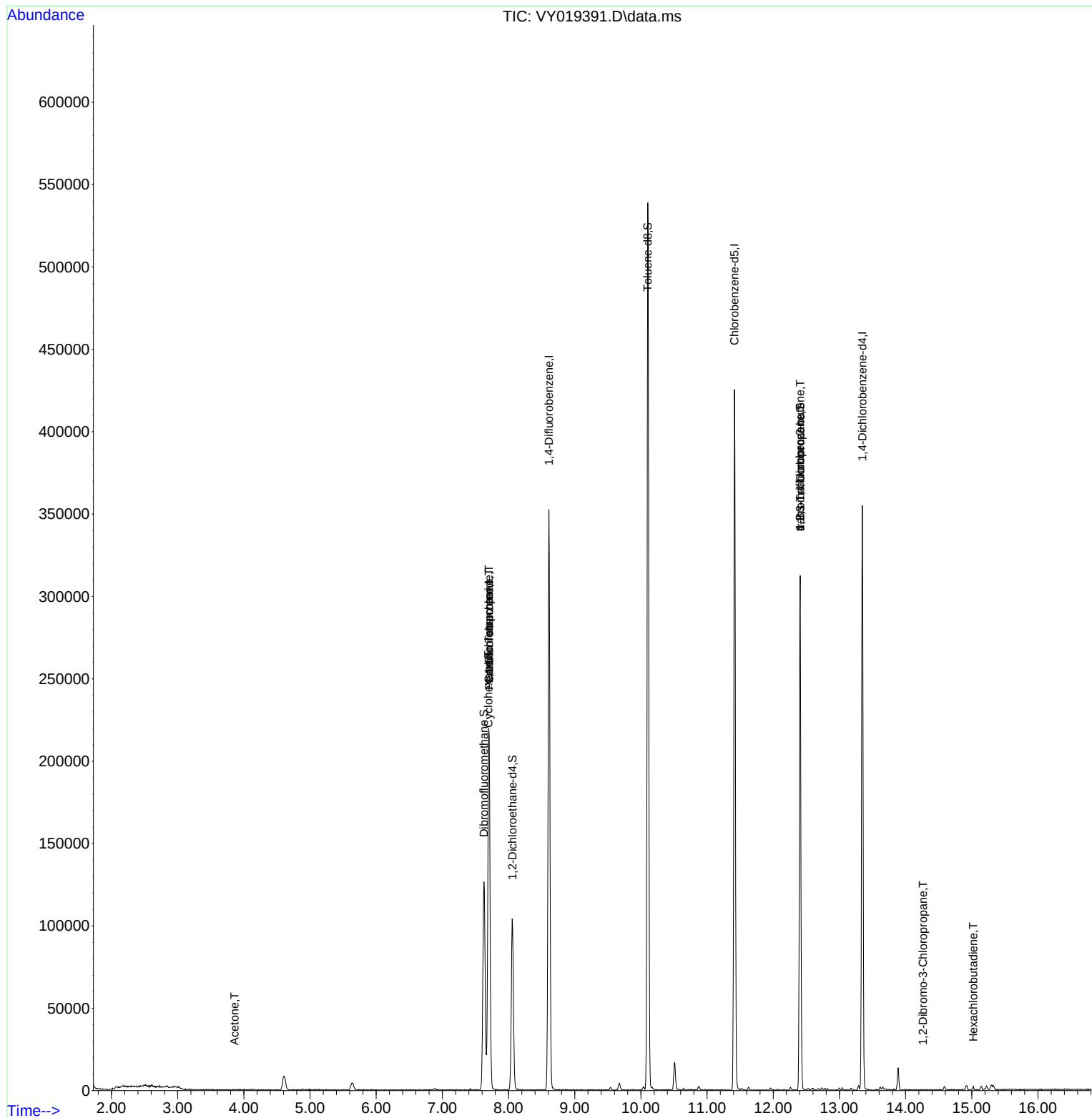
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 173156   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.610  | 114   | 301296   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 231331   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 89534    | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 81283    | 49.560    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 99.120%  |
| 35) Dibromofluoromethane      | 7.628  | 113   | 90752    | 47.641    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 95.280%  |
| 50) Toluene-d8                | 10.103 | 98    | 339500   | 48.415    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 96.840%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 89945    | 39.657    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | =      | 79.320%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
| 5) Bromomethane               | 2.611  | 94    | 679      | Below Cal | #      | 74       |
| 16) Acetone                   | 3.860  | 43    | 359      | 1.113     | ug/l # | 36       |
| 20) Methylene Chloride        | 4.610  | 84    | 6796     | Below Cal |        | 93       |
| 31) Cyclohexane               | 7.695  | 56    | 3884     | 1.393     | ug/l # | 26       |
| 36) 1,1-Dichloropropene       | 7.701  | 75    | 13490    | 5.011     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.701  | 117   | 17513    | 5.338     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 47408    | 60.293    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 47408    | 149.170   | ug/l # | 16       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.261 | 75    | 45       | 1.601     | ug/l # | 1        |
| 94) Hexachlorobutadiene       | 15.023 | 225   | 333      | 3.784     | ug/l   | 83       |
| -----                         |        |       |          |           |        |          |

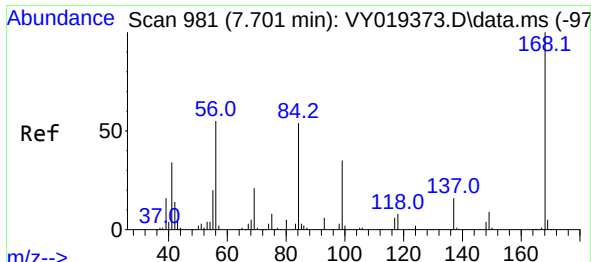
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
Data File : VY019391.D  
Acq On : 30 Aug 2024 13:31  
Operator : SY/MD  
Sample : VY0830SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 30 16:19:28 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082924S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 30 02:45:30 2024  
Response via : Initial Calibration

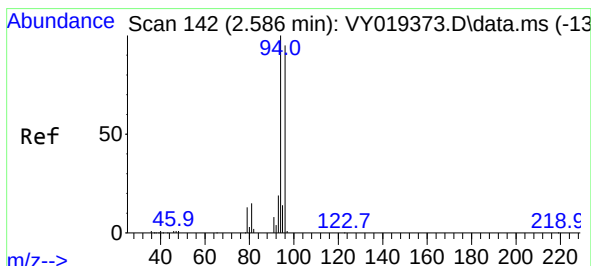
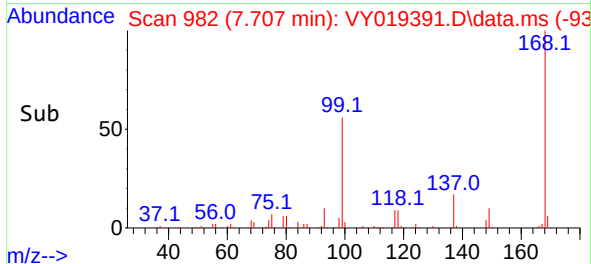
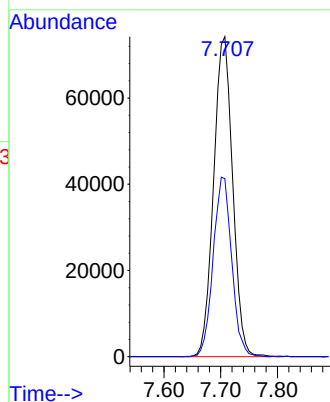
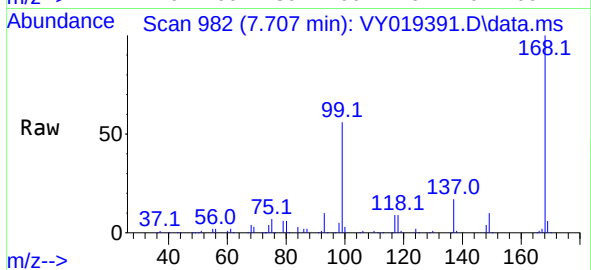




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

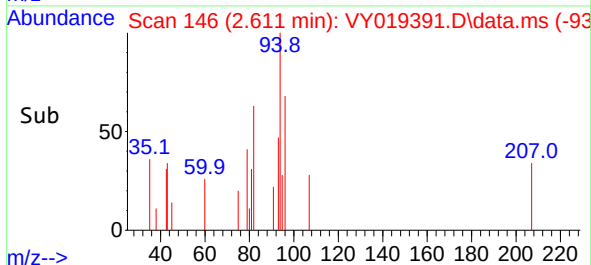
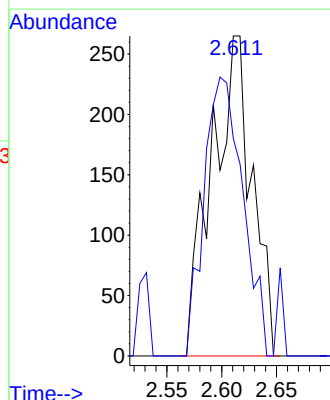
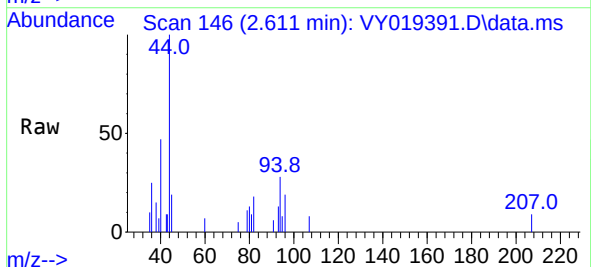
Instrument :  
MSVOA\_Y  
ClientSampleId :

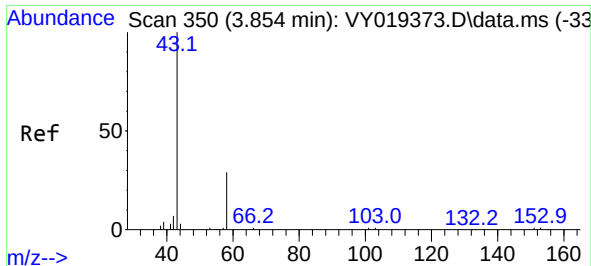
Tgt Ion:168 Resp: 173156  
Ion Ratio Lower Upper  
168 100  
99 55.6 39.1 58.7



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.611 min Scan# 146  
Delta R.T. 0.025 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

Tgt Ion: 94 Resp: 679  
Ion Ratio Lower Upper  
94 100  
96 67.9 74.1 111.1#

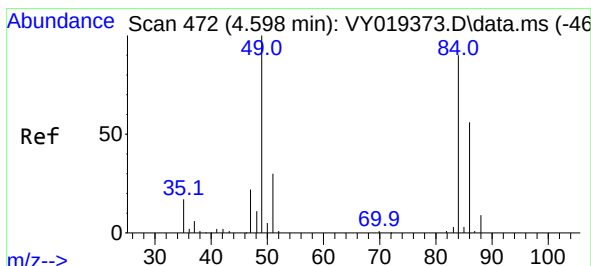
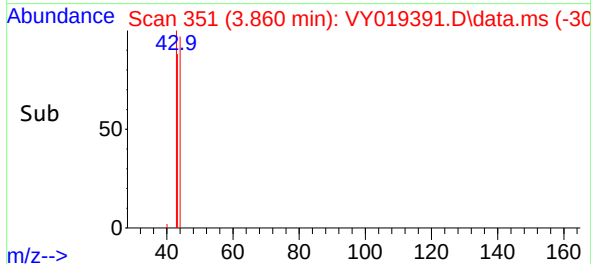
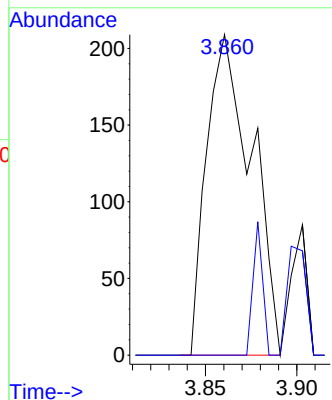
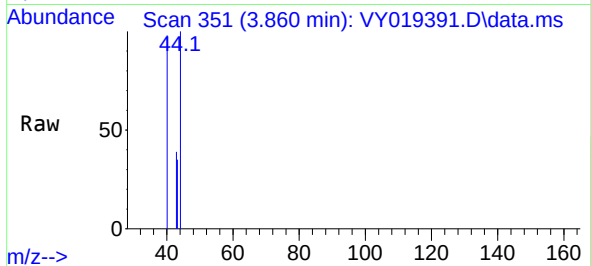




#16  
Acetone  
Concen: 1.113 ug/l  
RT: 3.860 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

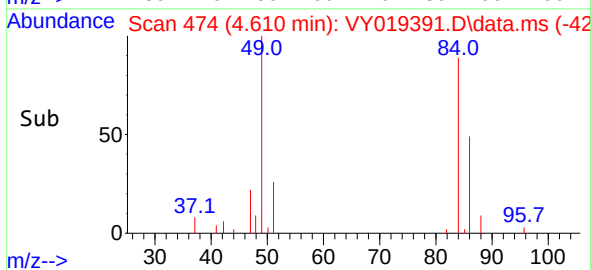
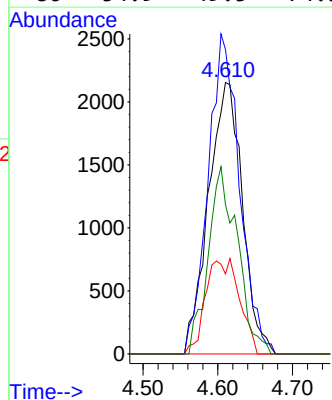
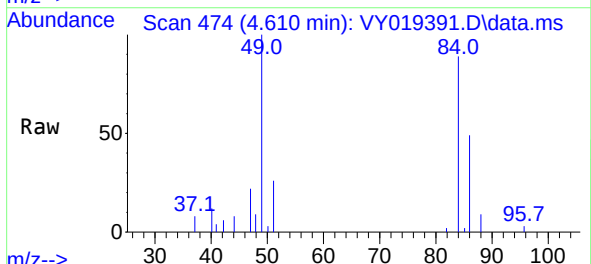
Instrument :  
MSVOA\_Y  
ClientSampleId :

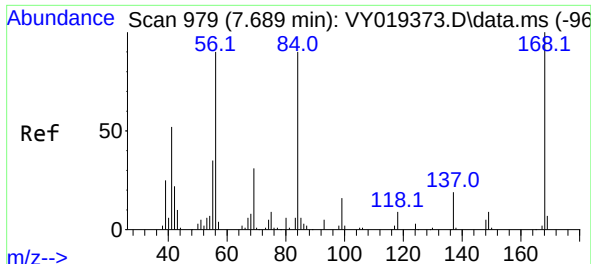
Tgt Ion: 43 Resp: 359  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.610 min Scan# 474  
Delta R.T. 0.012 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

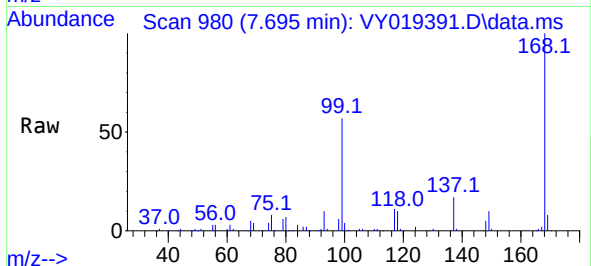
Tgt Ion: 84 Resp: 6796  
Ion Ratio Lower Upper  
84 100  
49 112.1 84.4 126.6  
51 29.5 26.0 39.0  
86 54.9 49.5 74.3



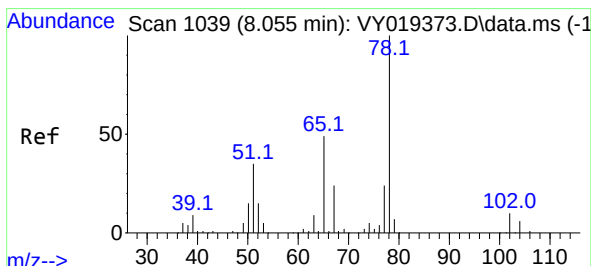
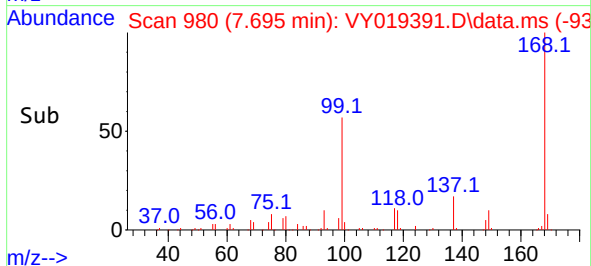
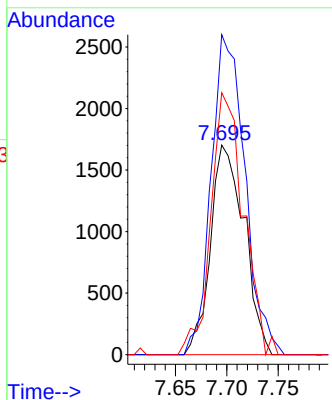


#31  
Cyclohexane  
Concen: 1.393 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

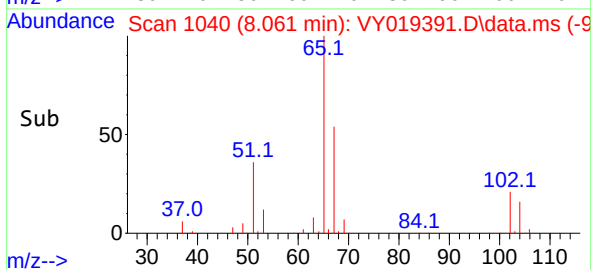
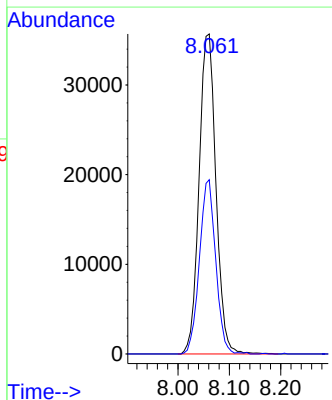
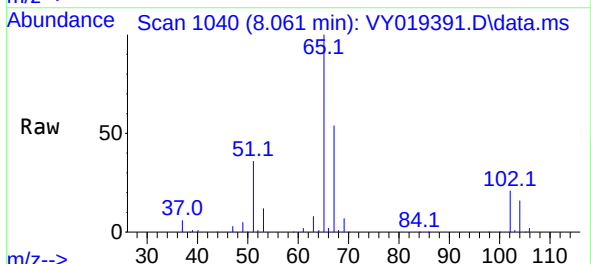


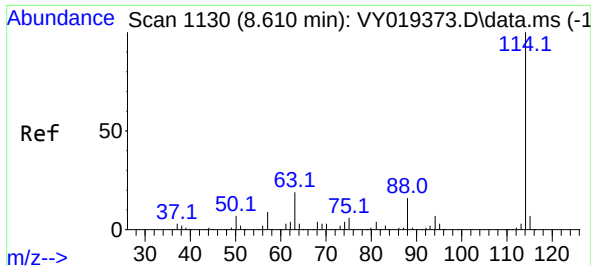
Tgt Ion: 56 Resp: 3884  
Ion Ratio Lower Upper  
56 100  
69 152.7 28.7 43.1#  
84 125.0 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 49.560 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.006 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

Tgt Ion: 65 Resp: 81283  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 109.6

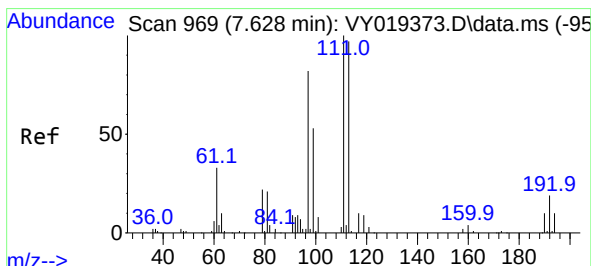
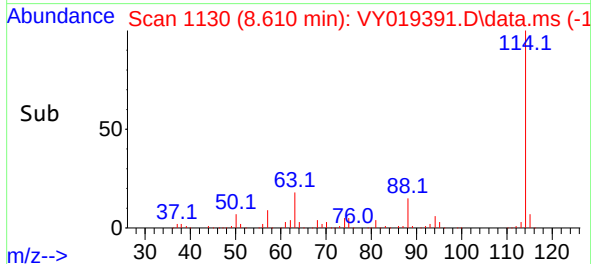
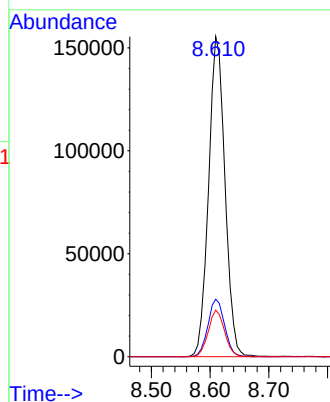
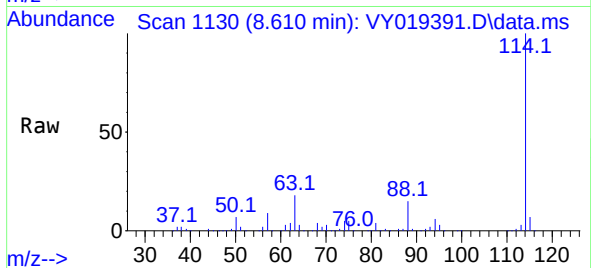




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.610 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

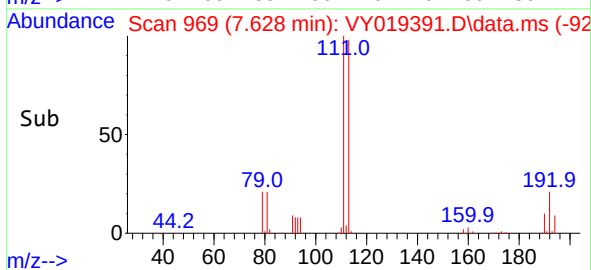
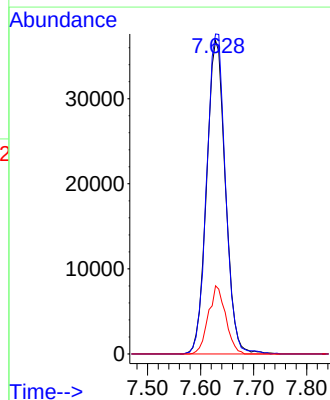
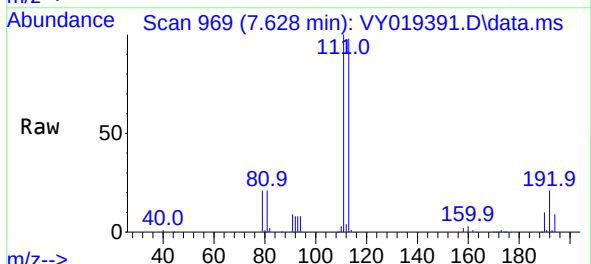
Instrument :  
MSVOA\_Y  
ClientSampleId :

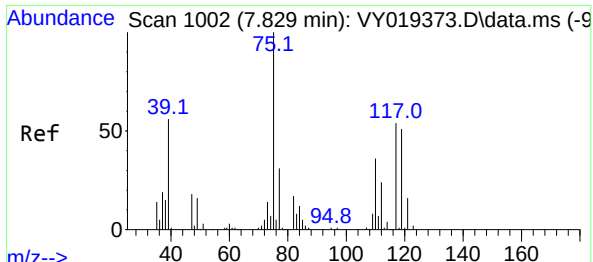
Tgt Ion:114 Resp: 301296  
Ion Ratio Lower Upper  
114 100  
63 17.9 0.0 35.0  
88 14.5 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 47.641 ug/l  
RT: 7.628 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

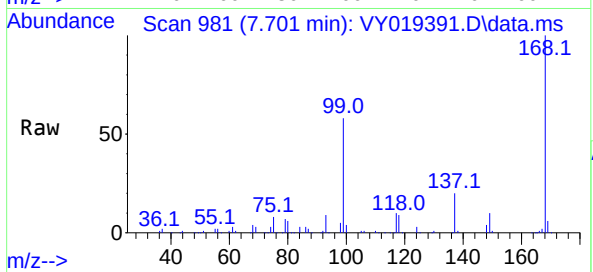
Tgt Ion:113 Resp: 90752  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.2 123.4  
192 20.0 15.9 23.9



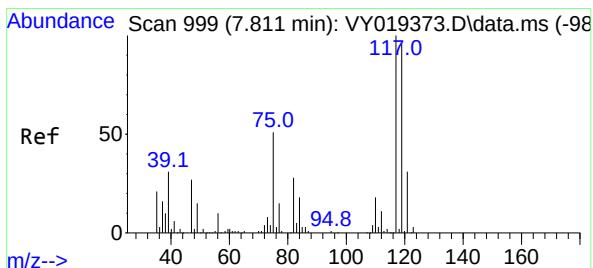
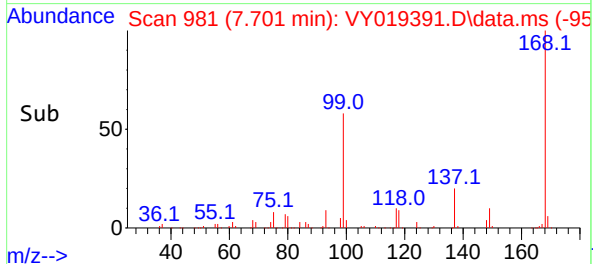
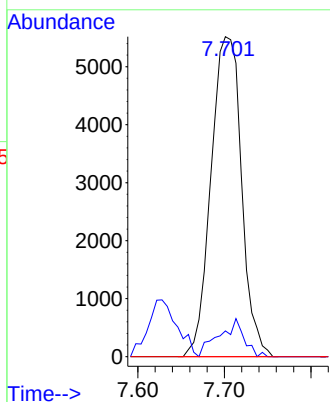


#36  
1,1-Dichloropropene  
Concen: 5.011 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.128 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

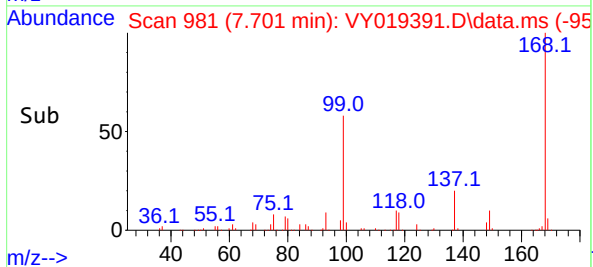
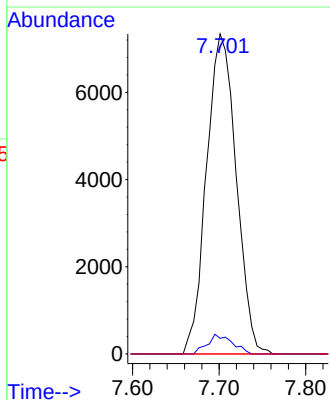
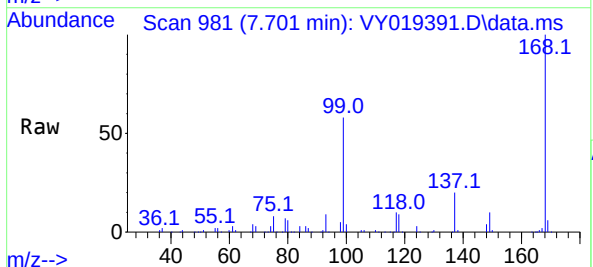


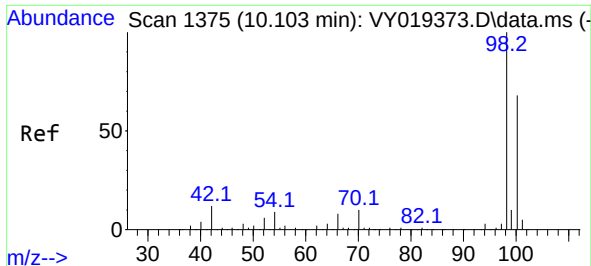
Tgt Ion: 75 Resp: 13490  
Ion Ratio Lower Upper  
75 100  
110 9.7 19.0 57.0#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 5.338 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.110 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

Tgt Ion: 117 Resp: 17513  
Ion Ratio Lower Upper  
117 100  
119 4.9 75.8 113.6#  
121 0.0 24.0 36.0#

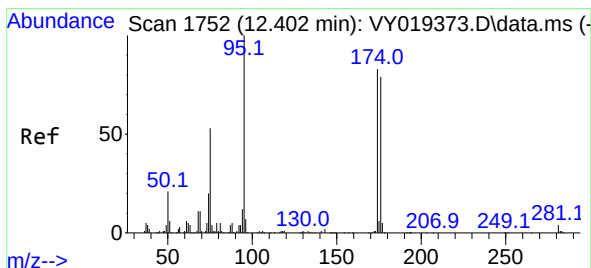
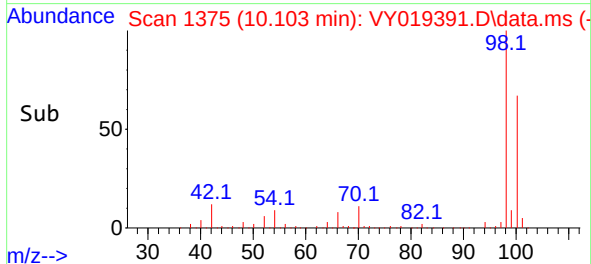
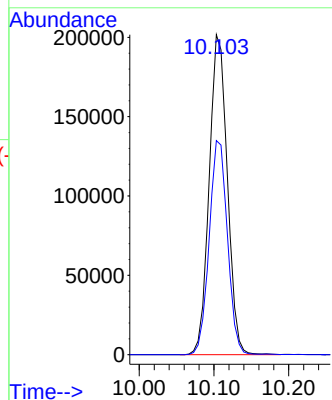
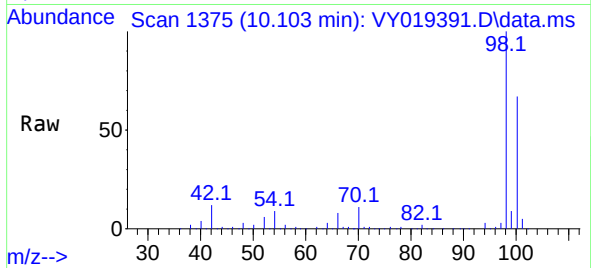




#50  
Toluene-d8  
Concen: 48.415 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

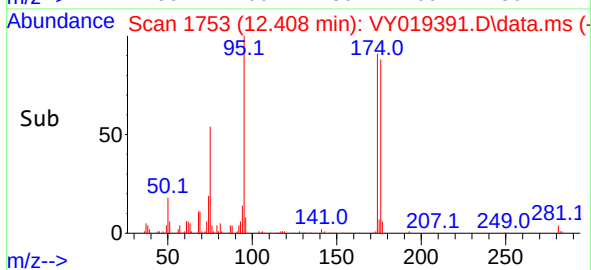
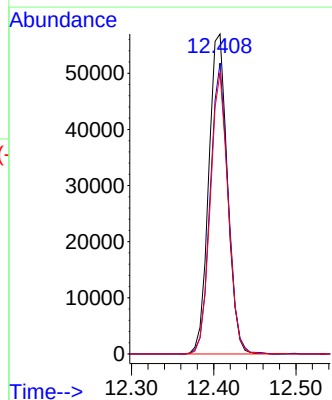
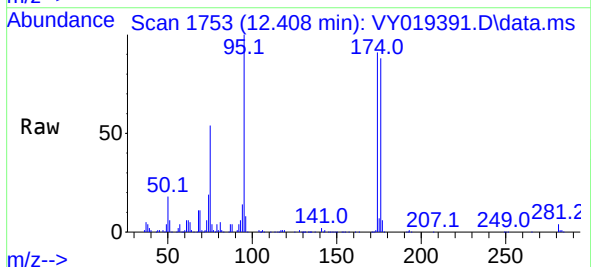
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 98 Resp: 339500  
Ion Ratio Lower Upper  
98 100  
100 67.4 52.0 78.0

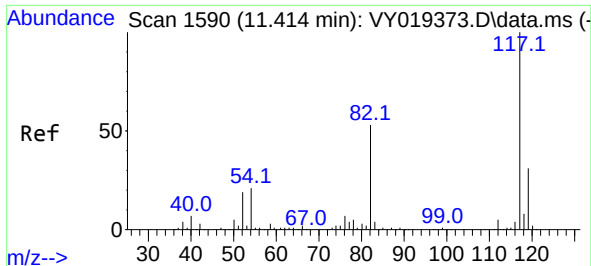


#62  
4-Bromofluorobenzene  
Concen: 39.657 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

Tgt Ion: 95 Resp: 89945  
Ion Ratio Lower Upper  
95 100  
174 87.0 0.0 175.6  
176 83.7 0.0 171.4

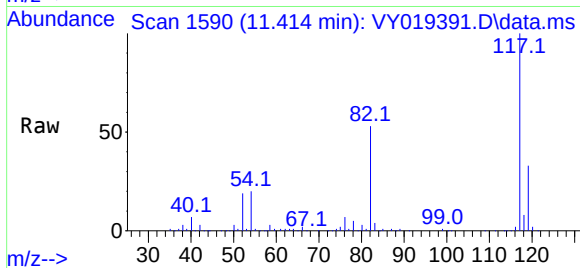




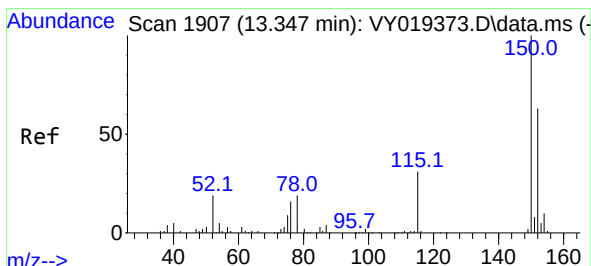
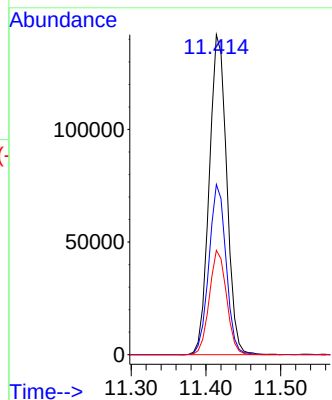
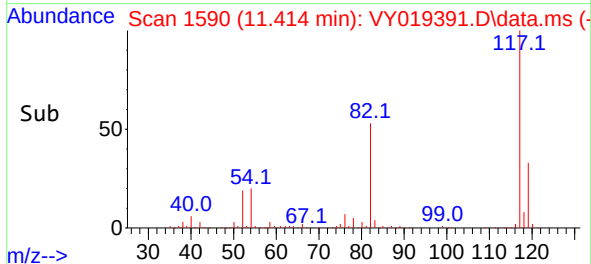


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

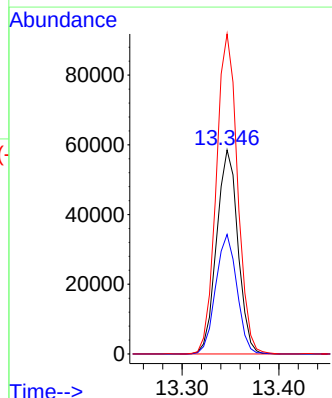
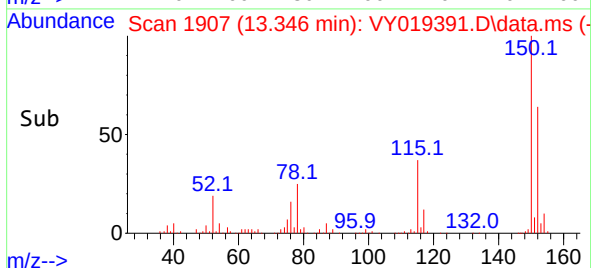
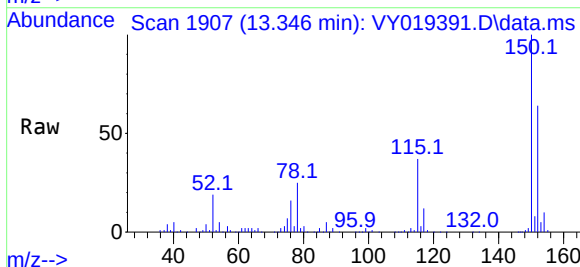


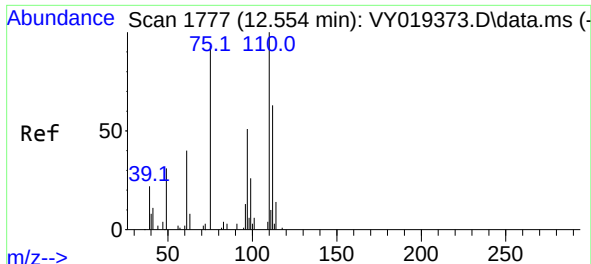
Tgt Ion:117 Resp: 231331  
Ion Ratio Lower Upper  
117 100  
82 53.2 42.4 63.6  
119 32.6 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

Tgt Ion:152 Resp: 89534  
Ion Ratio Lower Upper  
152 100  
115 58.3 28.2 84.7  
150 156.4 0.0 345.6

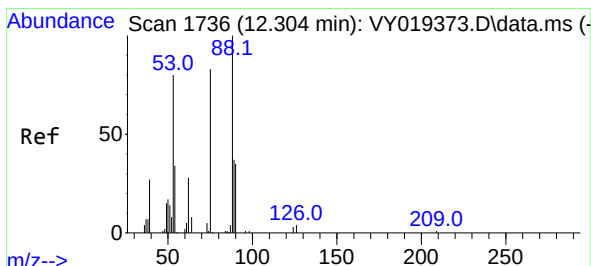
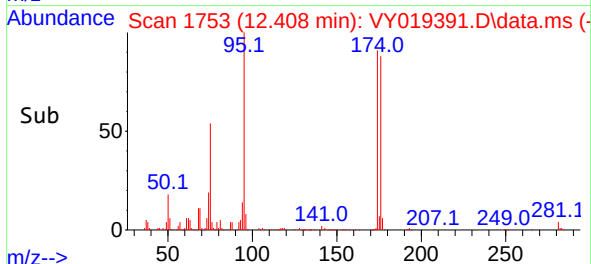
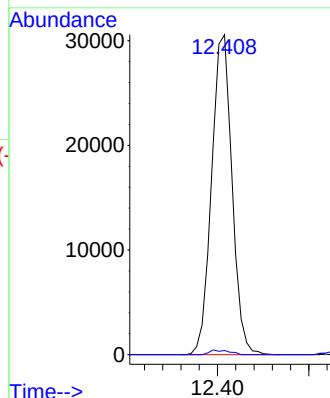
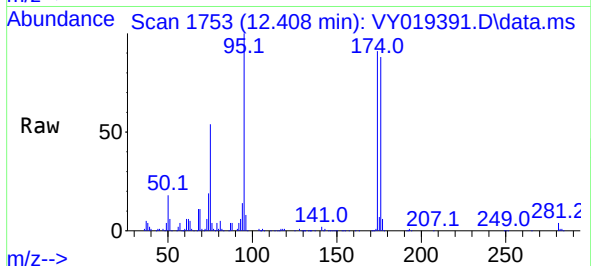




#76  
1,2,3-Trichloropropane  
Concen: 60.293 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.146 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

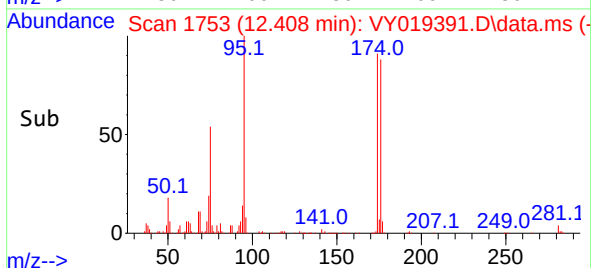
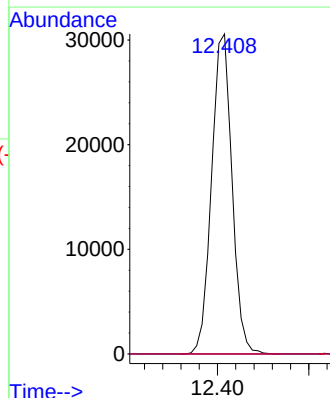
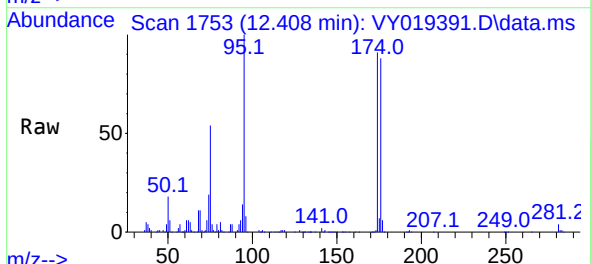
Instrument :  
MSVOA\_Y  
ClientSampleId :

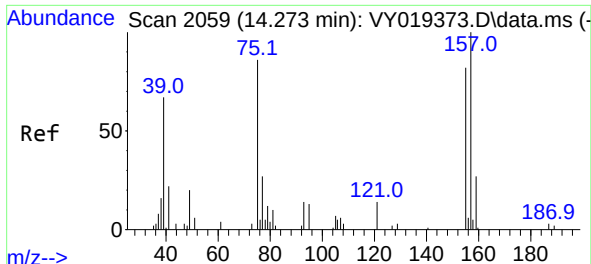
Tgt Ion: 75 Resp: 47408  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 149.170 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

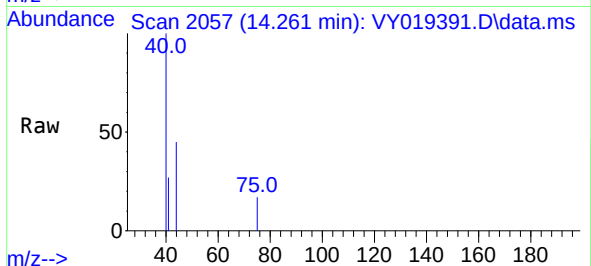
Tgt Ion: 75 Resp: 47408  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 35.8 53.6#



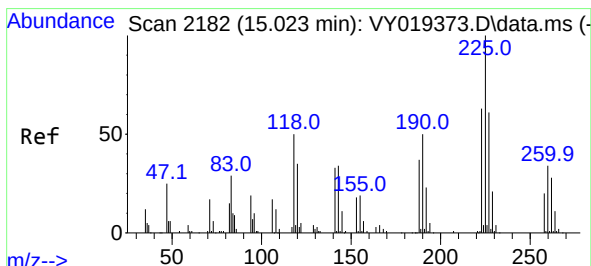
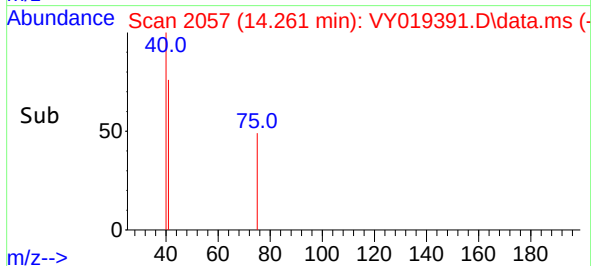
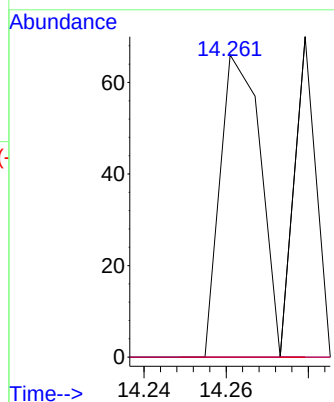


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 1.601 ug/l  
RT: 14.261 min Scan# 2057  
Delta R.T. -0.012 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 45  
Ion Ratio Lower Upper  
75 100  
155 0.0 48.6 145.8#  
157 0.0 62.7 188.2#



#94  
Hexachlorobutadiene  
Concen: 3.784 ug/l  
RT: 15.023 min Scan# 2182  
Delta R.T. -0.000 min  
Lab File: VY019391.D  
Acq: 30 Aug 2024 13:31

Tgt Ion: 225 Resp: 333  
Ion Ratio Lower Upper  
225 100  
223 67.3 30.4 91.2  
227 82.9 31.9 95.9

