

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082824\  
 Data File : VY019333.D  
 Acq On : 28 Aug 2024 16:26  
 Operator : SY/MD  
 Sample : P3741-01  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 29 01:35:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 05:10:30 2024  
 Response via : Initial Calibration

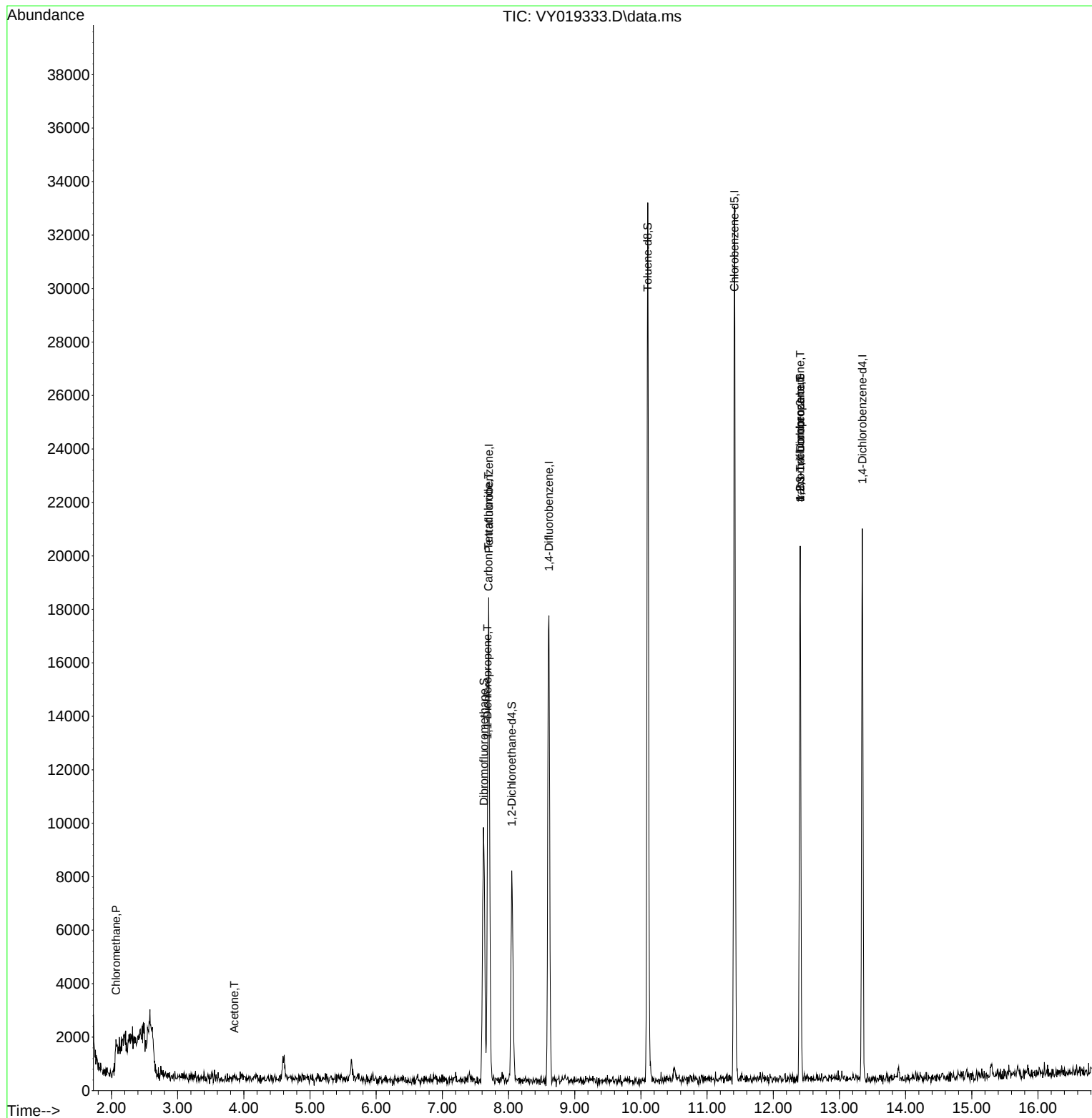
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.701  | 168   | 14162    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.610  | 114   | 15747    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 17464    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 5098     | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.049  | 65    | 5991     | 42.201    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 84.400%  |
| 35) Dibromofluoromethane      | 7.628  | 113   | 6730     | 65.363    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 130.720% |
| 50) Toluene-d8                | 10.103 | 98    | 21537    | 58.125    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 116.240% |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 6037     | 47.794    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | =      | 95.580%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        | Qvalue   |
| 3) Chloromethane              | 2.068  | 50    | 213      | 1.137     | ug/l # | 85       |
| 5) Bromomethane               | 2.586  | 94    | 571      | Below Cal | #      | 59       |
| 6) Chloroethane               | 2.653  | 64    | 20       | Below Cal | #      | 42       |
| 11) Tert butyl alcohol        | 4.787  | 59    | 26       | Below Cal | #      | 88       |
| 13) Acrolein                  | 3.397  | 56    | 23       | Below Cal | #      | 15       |
| 16) Acetone                   | 3.854  | 43    | 82       | 3.115     | ug/l # | 36       |
| 20) Methylene Chloride        | 4.586  | 84    | 292      | Below Cal | #      | 80       |
| 31) Cyclohexane               | 7.695  | 56    | 113      | Below Cal | #      | 62       |
| 36) 1,1-Dichloropropene       | 7.683  | 75    | 521      | 3.685     | ug/l # | 43       |
| 38) Carbon Tetrachloride      | 7.695  | 117   | 1238     | 7.556     | ug/l # | 13       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 3202     | 63.689    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 3202     | 157.291   | ug/l # | 16       |
| -----                         |        |       |          |           |        |          |

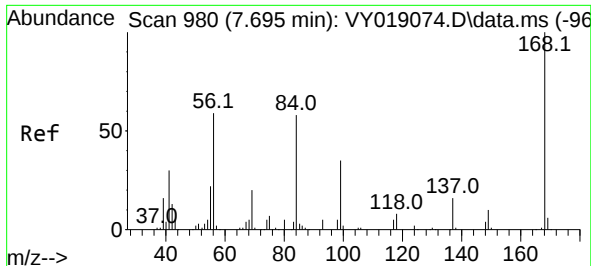
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082824\  
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Sample : P3741-01  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 29 01:35:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 16 05:10:30 2024  
Response via : Initial Calibration

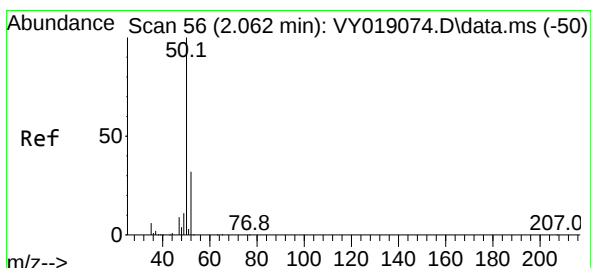
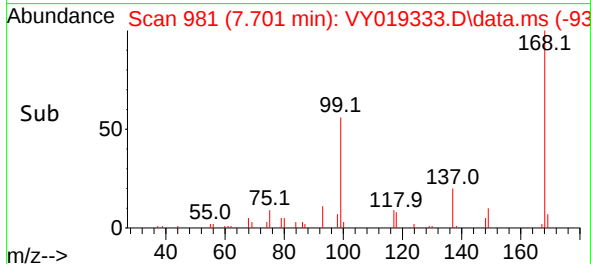
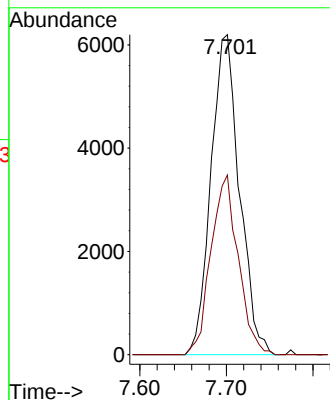
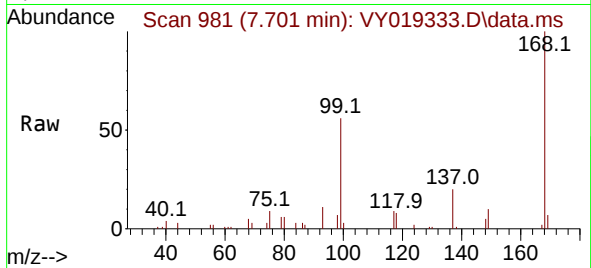




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

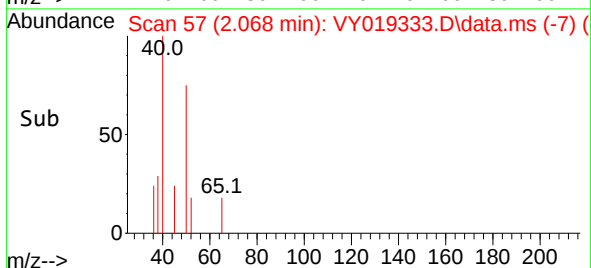
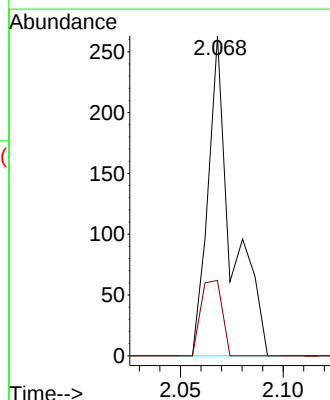
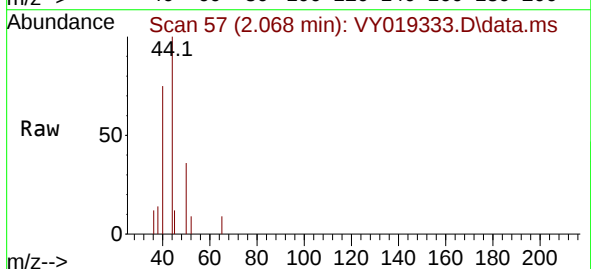
Instrument :  
MSVOA\_Y  
ClientSampleId :

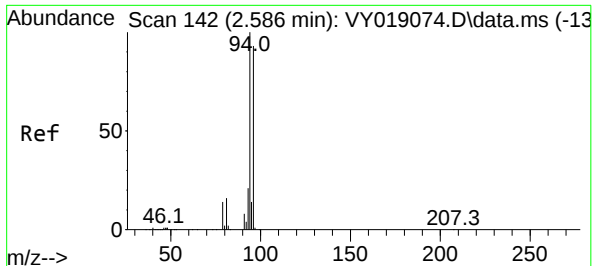
Tgt Ion:168 Resp: 14162  
Ion Ratio Lower Upper  
168 100  
99 56.2 39.1 58.7



#3  
Chloromethane  
Concen: 1.137 ug/l  
RT: 2.068 min Scan# 57  
Delta R.T. 0.006 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

Tgt Ion: 50 Resp: 213  
Ion Ratio Lower Upper  
50 100  
52 23.6 25.6 38.4#

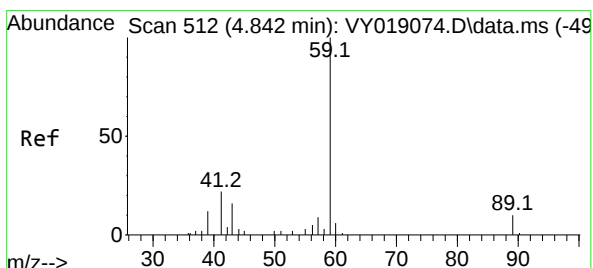
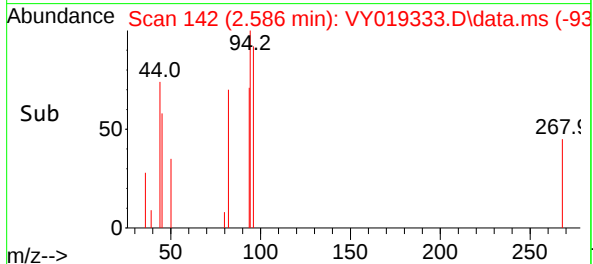
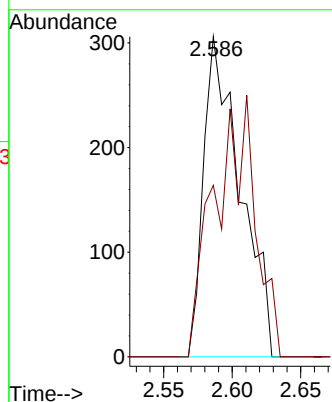
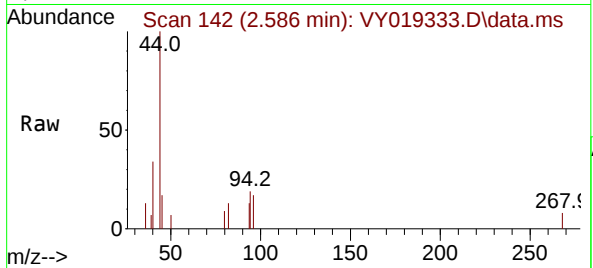




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.586 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

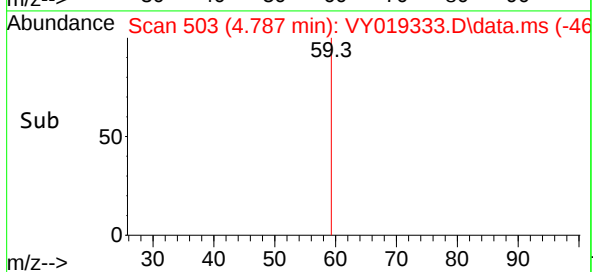
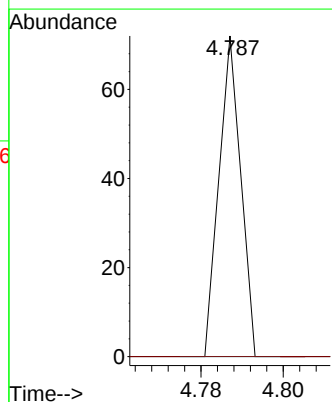
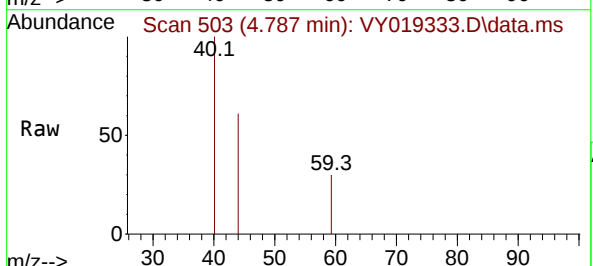
Instrument :  
MSVOA\_Y  
ClientSampleId :

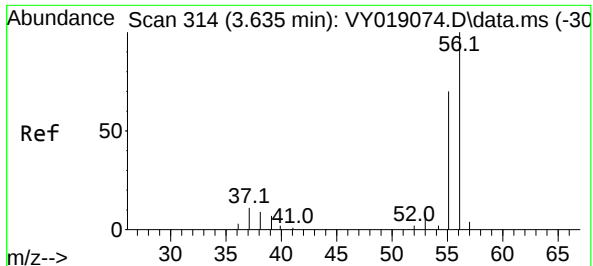
Tgt Ion: 94 Resp: 571  
Ion Ratio Lower Upper  
94 100  
96 53.6 74.1 111.1#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.787 min Scan# 503  
Delta R.T. -0.055 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

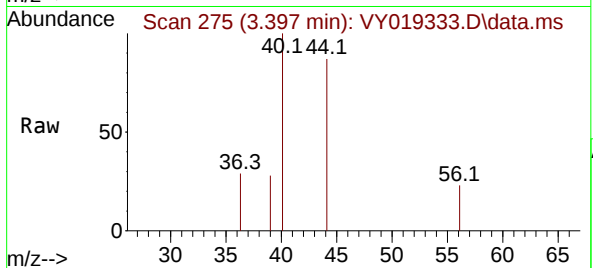
Tgt Ion: 59 Resp: 26  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#



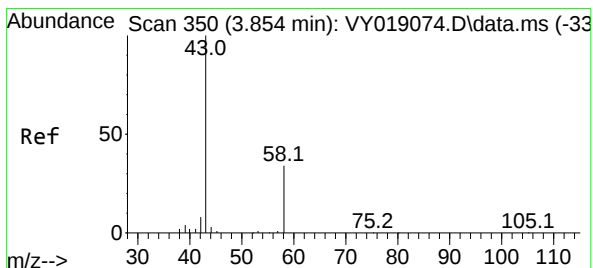
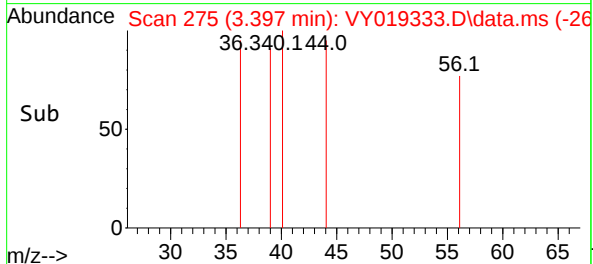
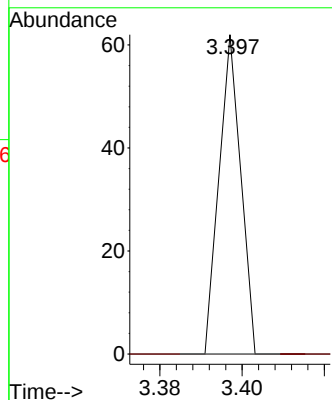


#13  
Acrolein  
Concen: Below Cal  
RT: 3.397 min Scan# 21  
Delta R.T. -0.238 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

Instrument :  
MSVOA\_Y  
ClientSampleId :

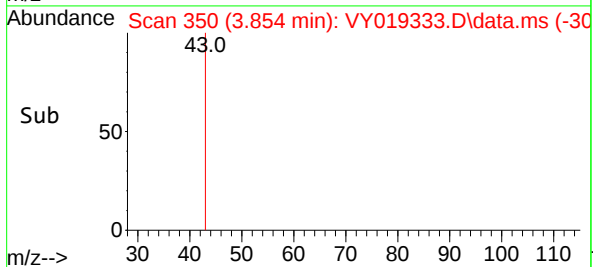
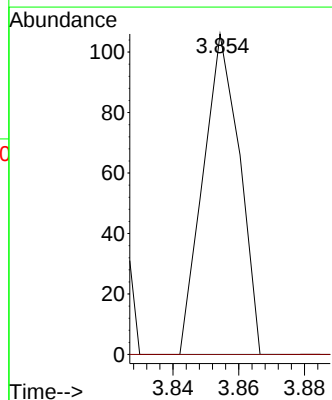
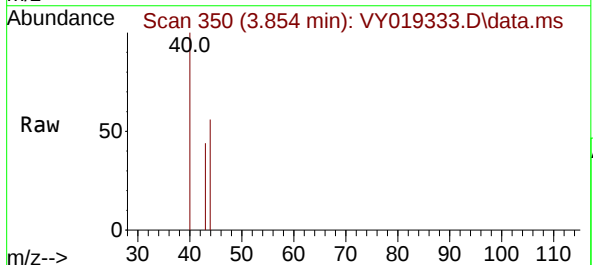


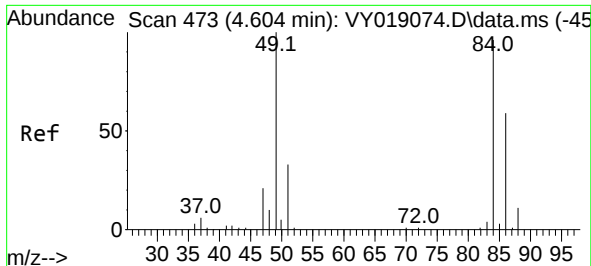
Tgt Ion: 56 Resp: 23  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.7 83.5#



#16  
Acetone  
Concen: 3.115 ug/l  
RT: 3.854 min Scan# 350  
Delta R.T. 0.000 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

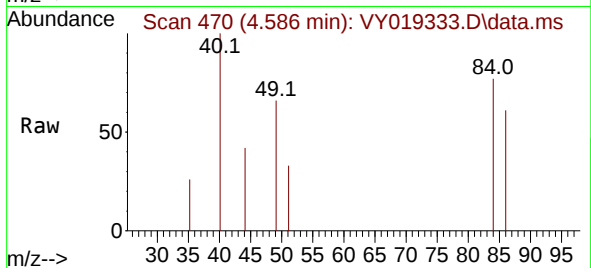
Tgt Ion: 43 Resp: 82  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#



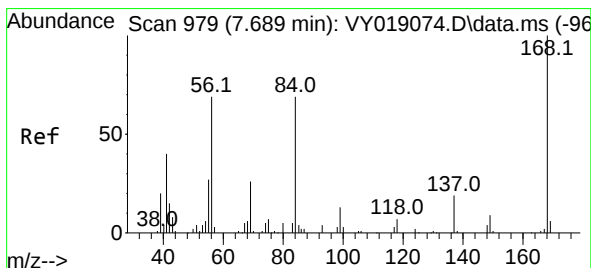
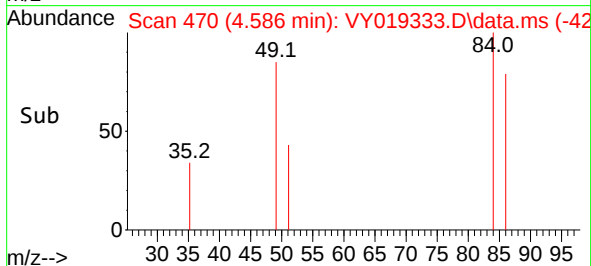
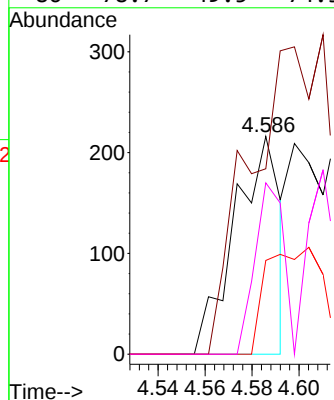


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.586 min Scan# 41  
Delta R.T. -0.018 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

Instrument :  
MSVOA\_Y  
ClientSampleId :

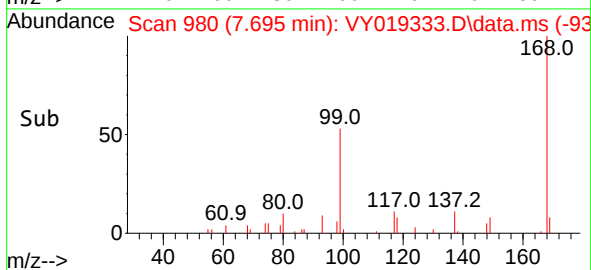
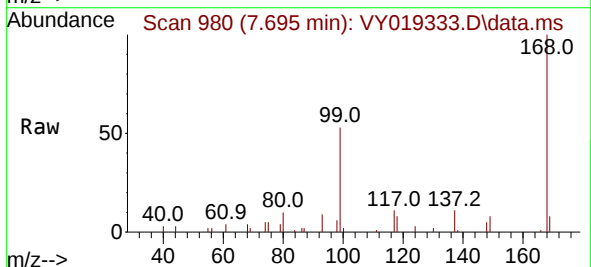
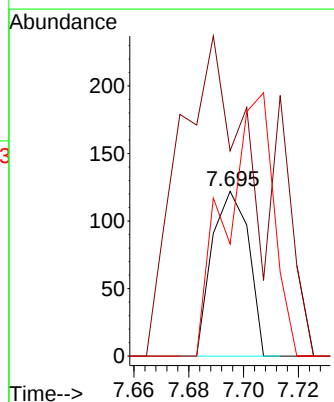


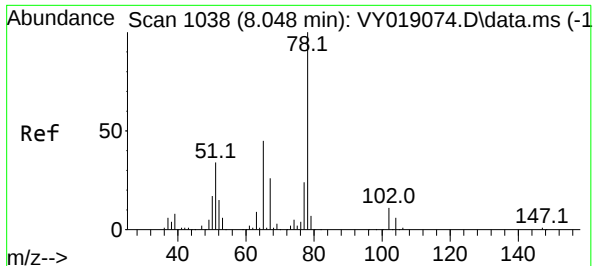
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 292   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 85.2  | 84.4  | 126.6 |
| 51       | 43.1  | 26.0  | 39.0# |
| 86       | 78.7  | 49.5  | 74.3# |



#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.695 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 113    |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 0.0   | 28.7  | 43.1#  |
| 84       | 68.0  | 77.7  | 116.5# |





#33

1,2-Dichloroethane-d4

Concen: 42.201 ug/l

RT: 8.049 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY019333.D

Acq: 28 Aug 2024 16:26

Instrument :

MSVOA\_Y

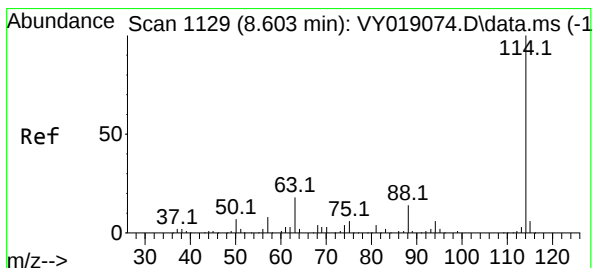
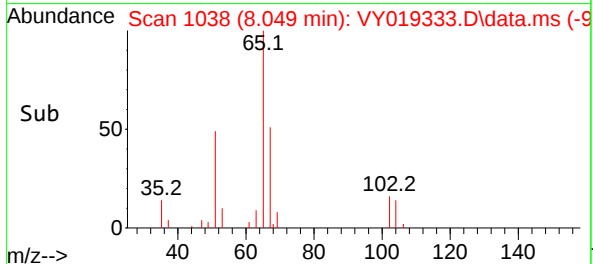
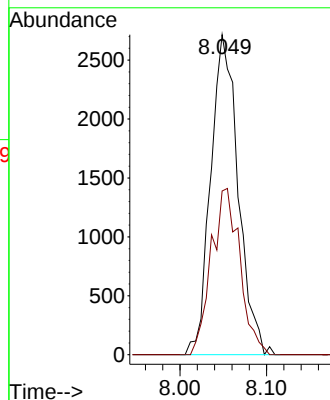
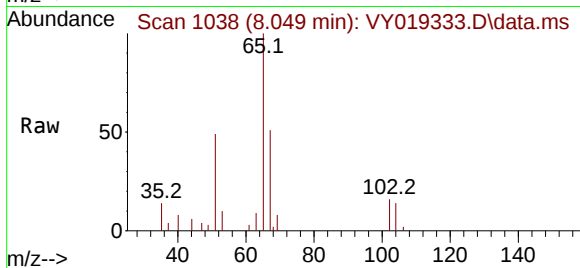
ClientSampleId :

Tgt Ion: 65 Resp: 5991

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019333.D

Acq: 28 Aug 2024 16:26

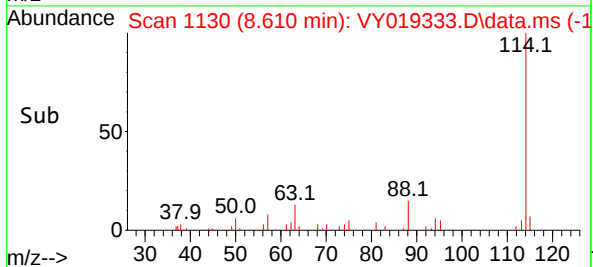
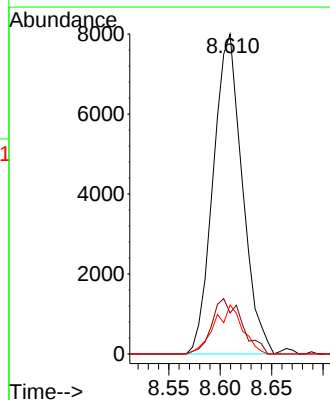
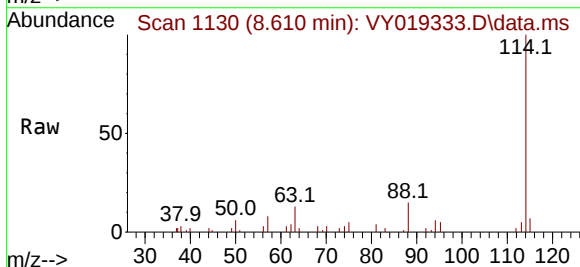
Tgt Ion: 114 Resp: 15747

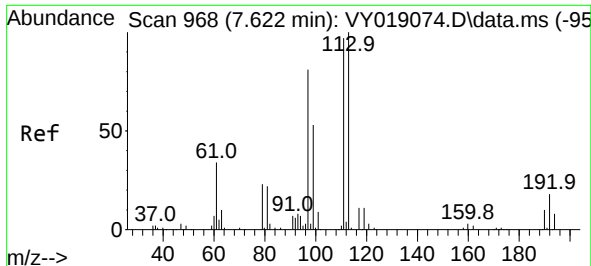
Ion Ratio Lower Upper

114 100

63 12.8 0.0 35.0

88 15.3 0.0 27.2

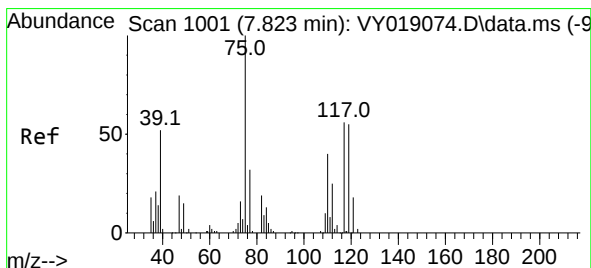
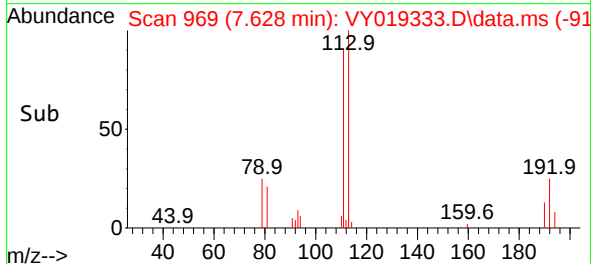
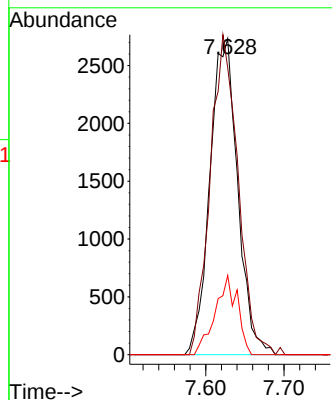
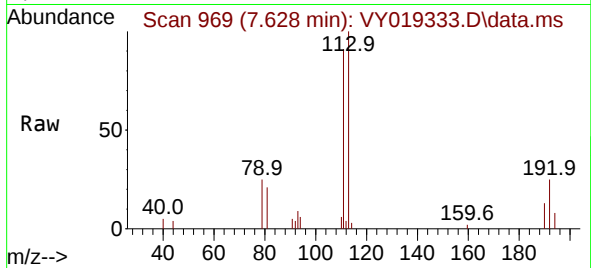




#35  
Dibromofluoromethane  
Concen: 65.363 ug/l  
RT: 7.628 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

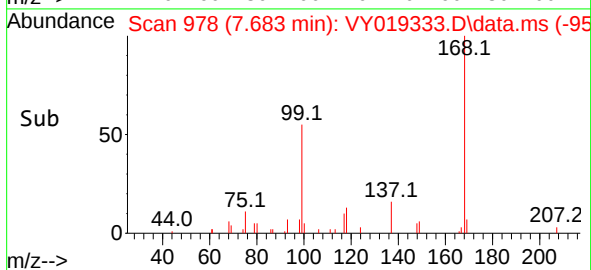
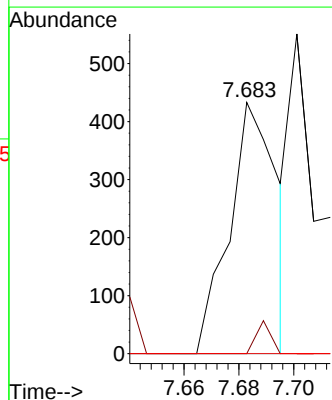
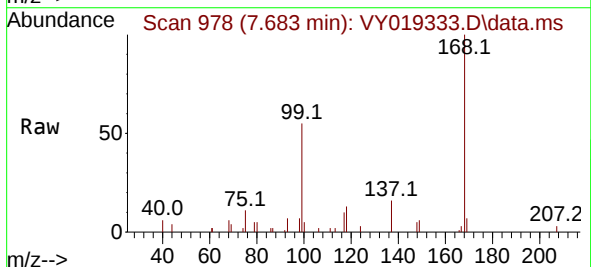
Instrument :  
MSVOA\_Y  
ClientSampleId :

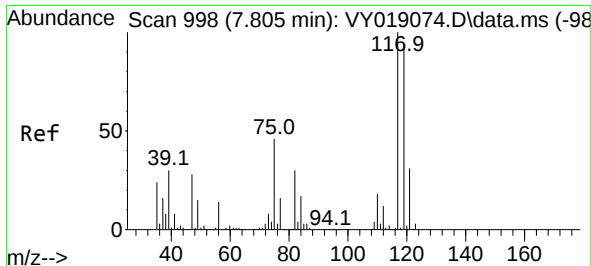
Tgt Ion:113 Resp: 6730  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.2 123.4  
192 20.1 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 3.685 ug/l  
RT: 7.683 min Scan# 978  
Delta R.T. -0.140 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

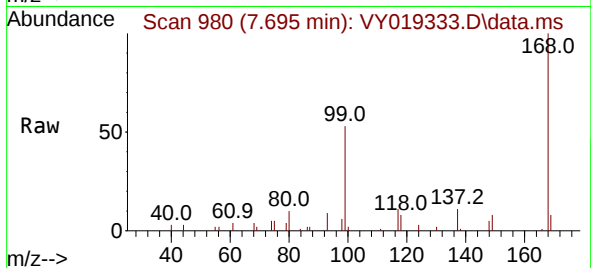
Tgt Ion: 75 Resp: 521  
Ion Ratio Lower Upper  
75 100  
110 4.0 19.0 57.0#  
77 0.0 25.3 37.9#



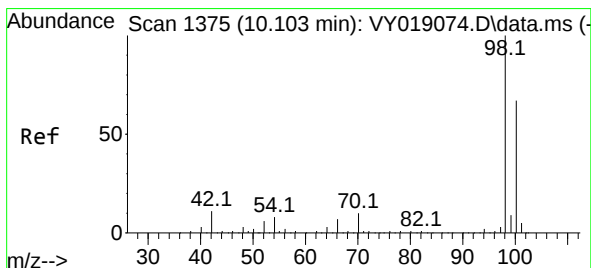
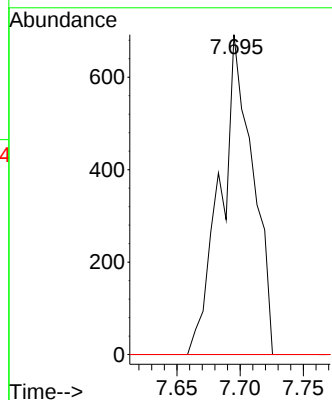
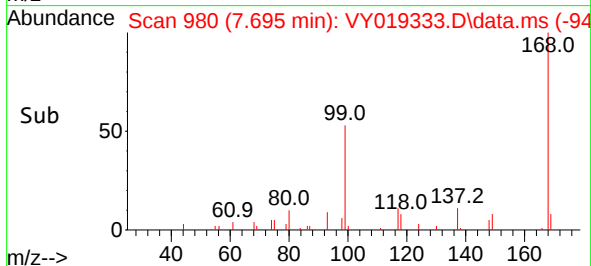


#38  
Carbon Tetrachloride  
Concen: 7.556 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.109 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

Instrument :  
MSVOA\_Y  
ClientSampleId :

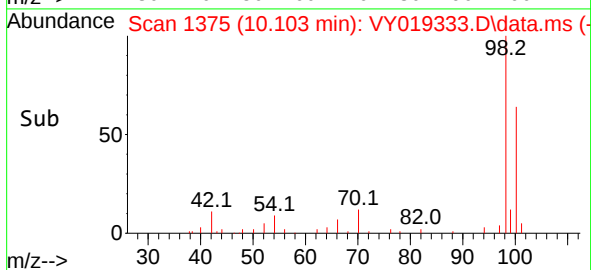
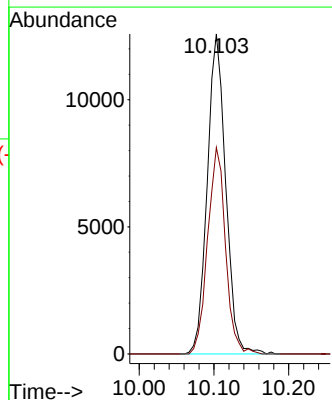
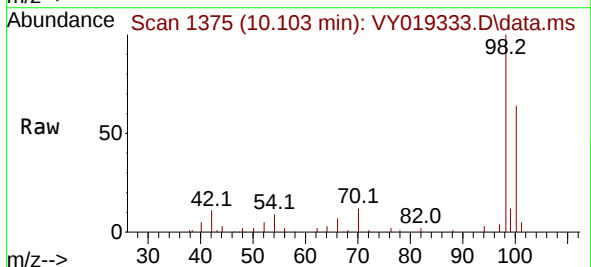


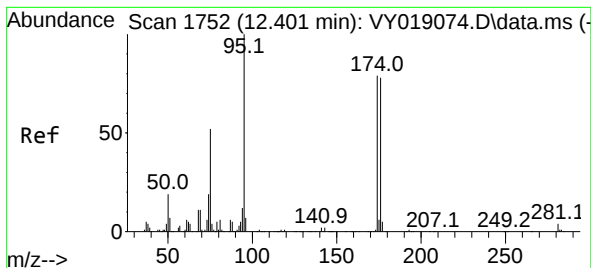
Tgt Ion:117 Resp: 1238  
Ion Ratio Lower Upper  
117 100  
119 0.0 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 58.125 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

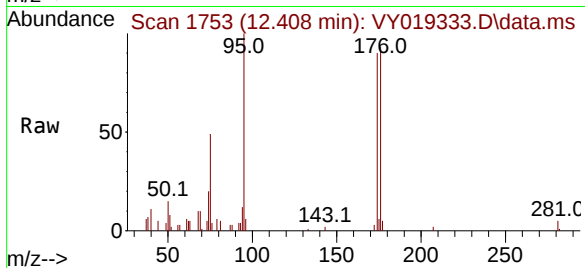
Tgt Ion: 98 Resp: 21537  
Ion Ratio Lower Upper  
98 100  
100 62.7 52.0 78.0



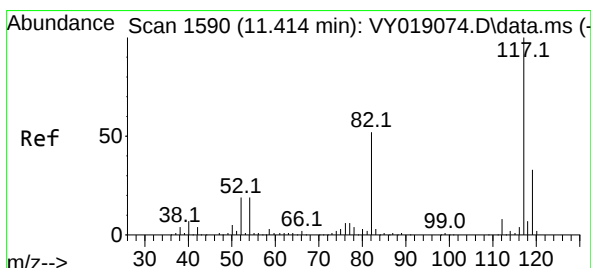
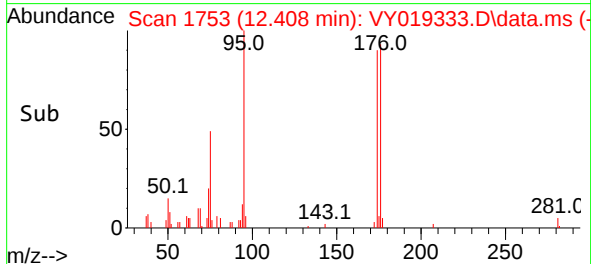
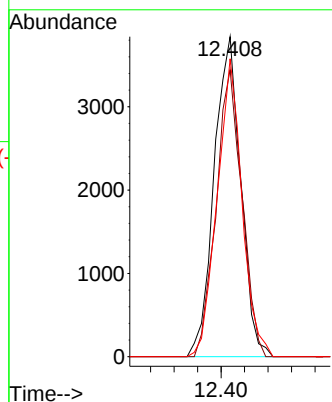


#62  
4-Bromofluorobenzene  
Concen: 47.794 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

Instrument :  
MSVOA\_Y  
ClientSampleId :

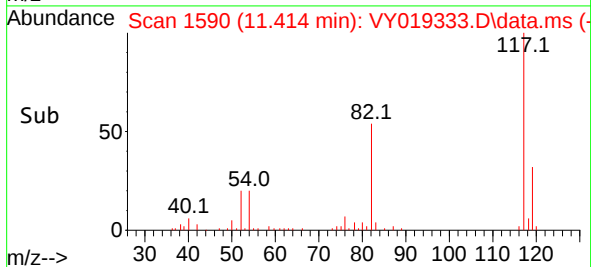
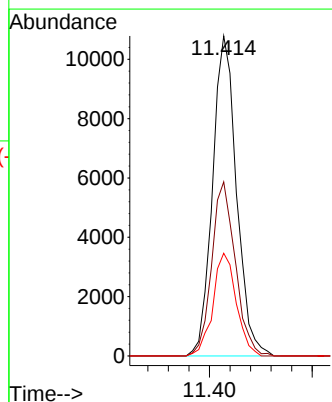
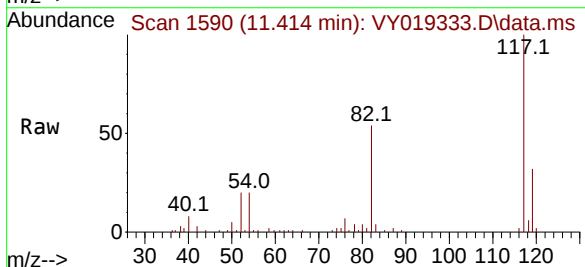


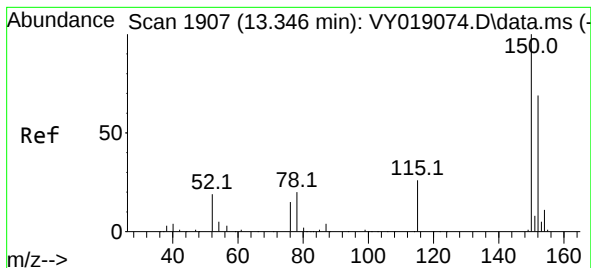
Tgt Ion: 95 Resp: 6037  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 175.6  
176 87.1 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VY019333.D  
Acq: 28 Aug 2024 16:26

Tgt Ion: 117 Resp: 17464  
Ion Ratio Lower Upper  
117 100  
82 54.4 42.4 63.6  
119 32.1 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: VY019333.D

Acq: 28 Aug 2024 16:26

Instrument :

MSVOA\_Y

ClientSampleId :

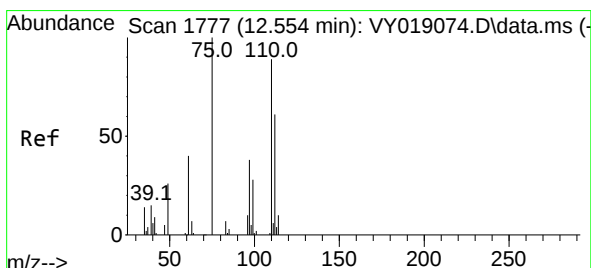
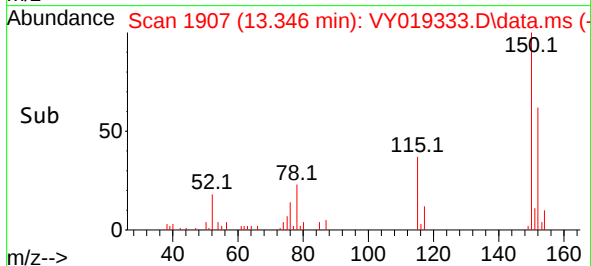
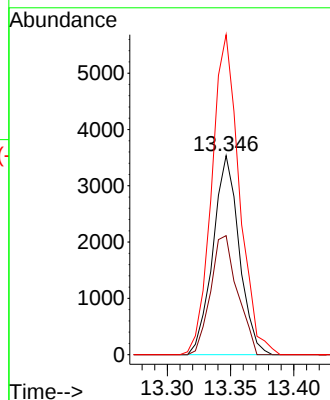
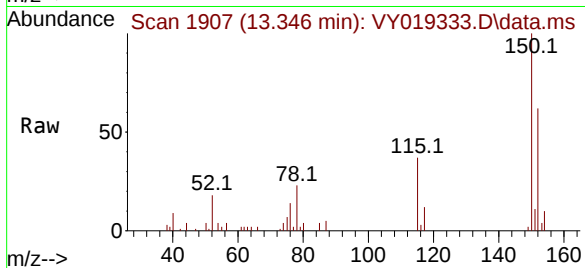
Tgt Ion:152 Resp: 5098

Ion Ratio Lower Upper

152 100

115 61.1 28.2 84.7

150 169.3 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 63.689 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019333.D

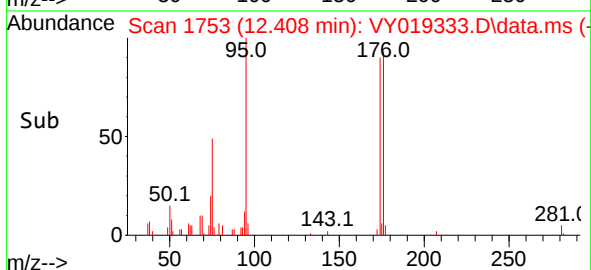
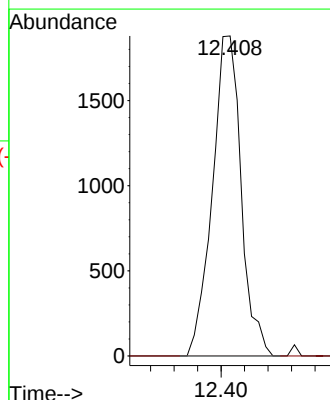
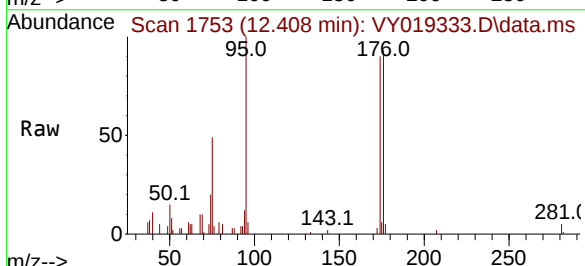
Acq: 28 Aug 2024 16:26

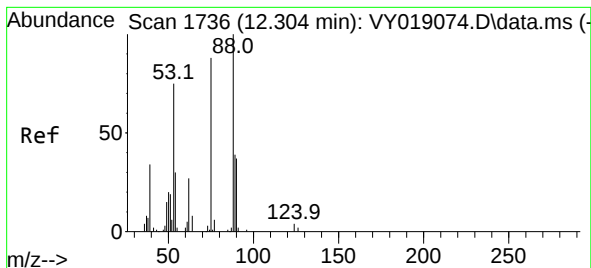
Tgt Ion: 75 Resp: 3202

Ion Ratio Lower Upper

75 100

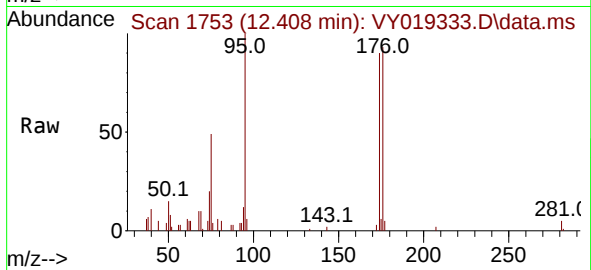
77 0.0 0.0 0.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 157.291 ug/l  
 RT: 12.408 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY019333.D  
 Acq: 28 Aug 2024 16:26

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 66.8  | 100.2# |
| 89      | 0.0   | 35.8  | 53.6#  |

