

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081324\  
 Data File : VY019027.D  
 Acq On : 13 Aug 2024 14:16  
 Operator : SY/MD  
 Sample : P3519-07  
 Misc : 4.05g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

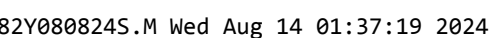
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

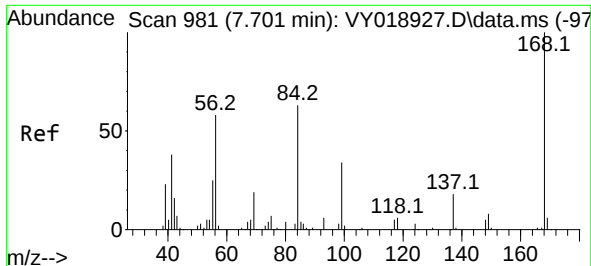
Quant Time: Aug 14 01:37:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080824S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 09 04:24:33 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.695  | 168   | 49578    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.603  | 114   | 82425    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 64786    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 21299    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.049  | 65    | 22895    | 52.597    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 105.200% |          |
| 35) Dibromofluoromethane      | 7.622  | 113   | 26212    | 49.791    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 99.580%  |          |
| 50) Toluene-d8                | 10.103 | 98    | 95949    | 47.451    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 94.900%  |          |
| 62) 4-Bromofluorobenzene      | 12.407 | 95    | 21263    | 35.444    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 70.880%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.074  | 50    | 83       | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 4.811  | 59    | 28       | Below Cal | #          | 88       |
| 16) Acetone                   | 3.872  | 43    | 531      | 17.008    | ug/l #     | 69       |
| 20) Methylene Chloride        | 4.616  | 84    | 858      | Below Cal | #          | 72       |
| 31) Cyclohexane               | 7.695  | 56    | 1281     | Below Cal | #          | 72       |
| 36) 1,1-Dichloropropene       | 7.689  | 75    | 3891     | 5.506     | ug/l #     | 46       |
| 38) Carbon Tetrachloride      | 7.701  | 117   | 4675     | 5.770     | ug/l #     | 17       |
| 41) Methacrylonitrile         | 7.225  | 41    | 63       | Below Cal | #          | 37       |
| 76) 1,2,3-Trichloropropane    | 12.407 | 75    | 12293    | 77.473    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.407 | 75    | 12293    | 159.641   | ug/l #     | 16       |
| -----                         |        |       |          |           |            |          |

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

Quant Time: Aug 14 01:37:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080824S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 09 04:24:33 2024  
Response via : Initial Calibration

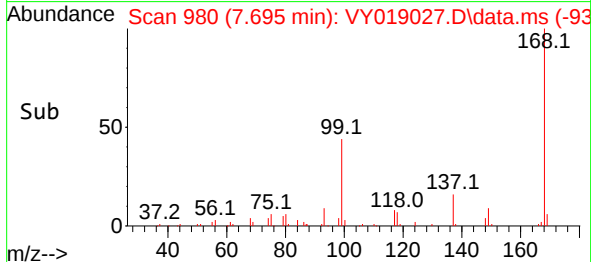
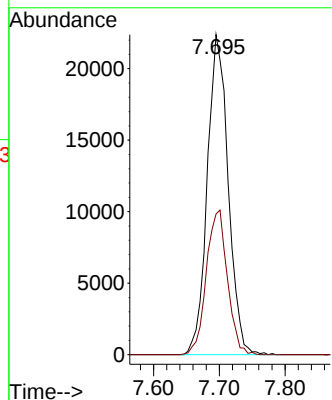
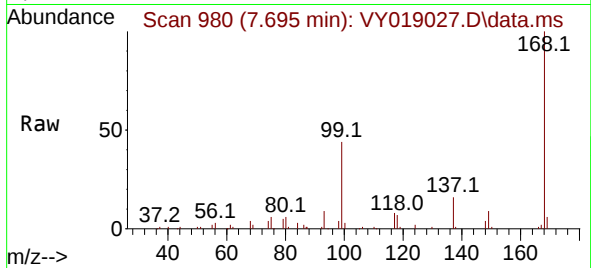




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019027.D  
Acq: 13 Aug 2024 14:16

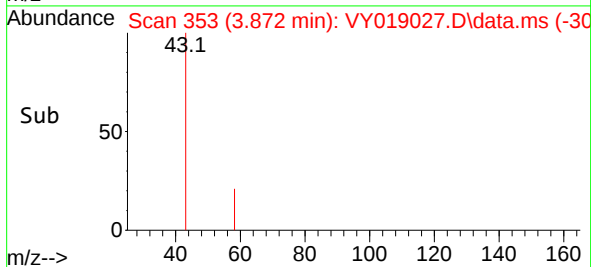
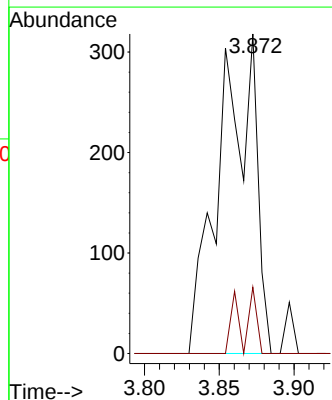
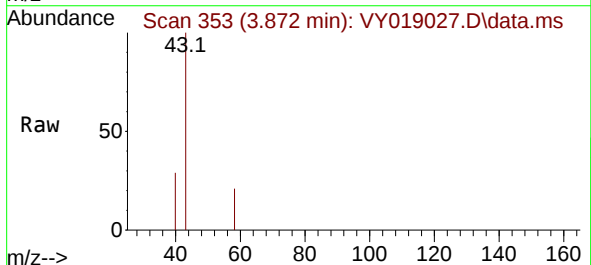
Instrument :  
MSVOA\_Y  
ClientSampleId :

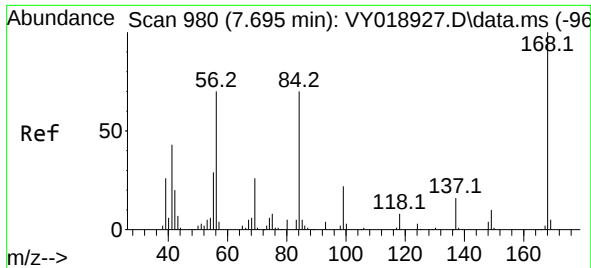
Tgt Ion:168 Resp: 49578  
Ion Ratio Lower Upper  
168 100  
99 43.9 39.1 58.7



#16  
Acetone  
Concen: 17.008 ug/l  
RT: 3.872 min Scan# 353  
Delta R.T. 0.018 min  
Lab File: VY019027.D  
Acq: 13 Aug 2024 14:16

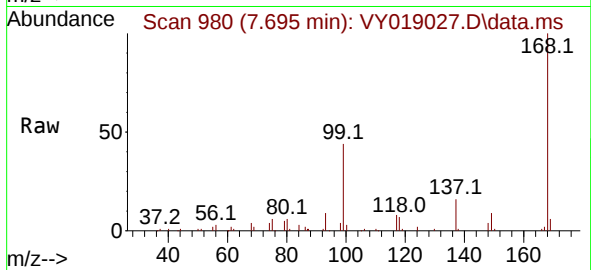
Tgt Ion: 43 Resp: 531  
Ion Ratio Lower Upper  
43 100  
58 20.8 31.7 47.5#



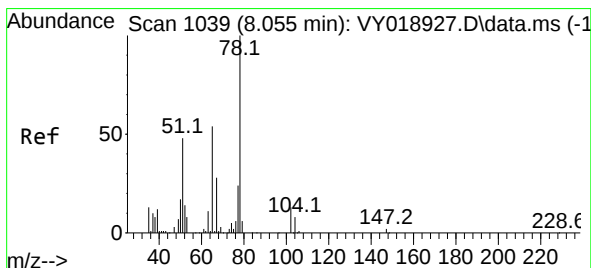
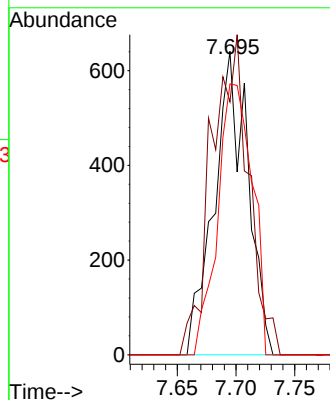
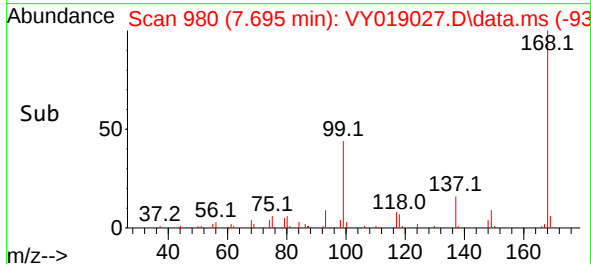


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.695 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY019027.D  
Acq: 13 Aug 2024 14:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

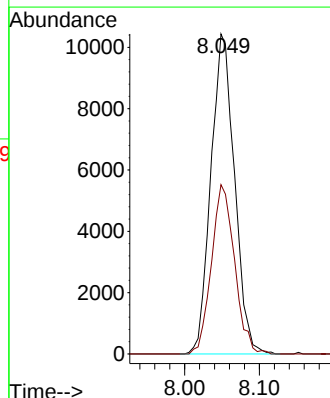
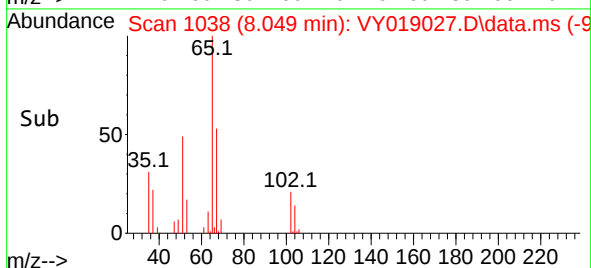
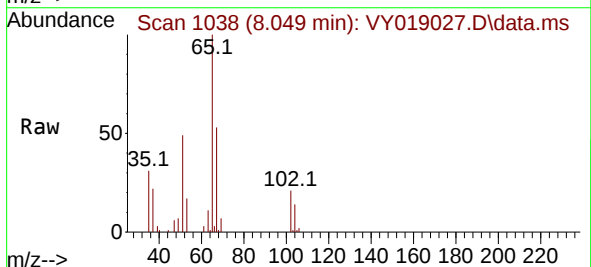


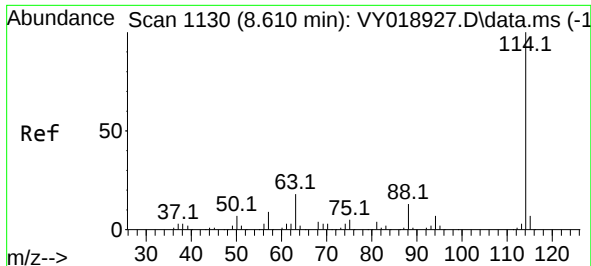
Tgt Ion: 56 Resp: 1281  
Ion Ratio Lower Upper  
56 100  
69 83.3 28.7 43.1#  
84 89.2 77.7 116.5



#33  
1,2-Dichloroethane-d4  
Concen: 52.597 ug/l  
RT: 8.049 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY019027.D  
Acq: 13 Aug 2024 14:16

Tgt Ion: 65 Resp: 22895  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY019027.D

Acq: 13 Aug 2024 14:16

Instrument :

MSVOA\_Y

ClientSampleId :

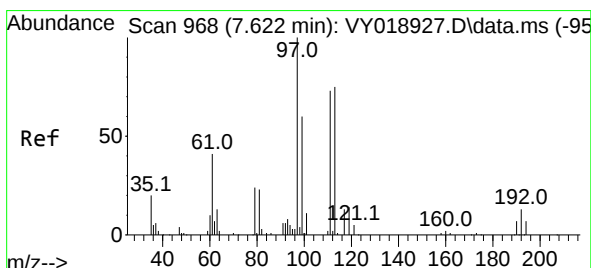
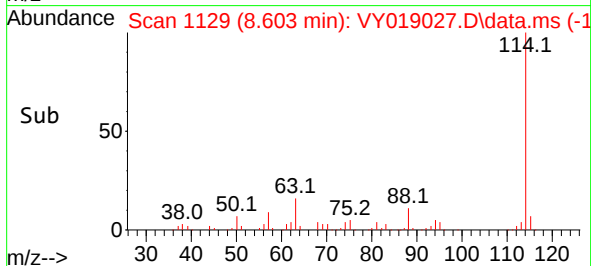
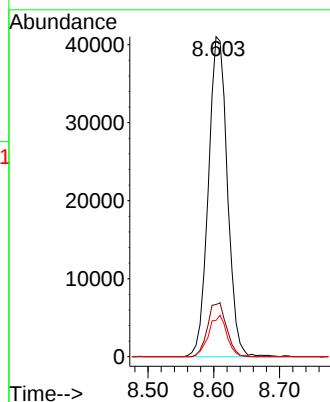
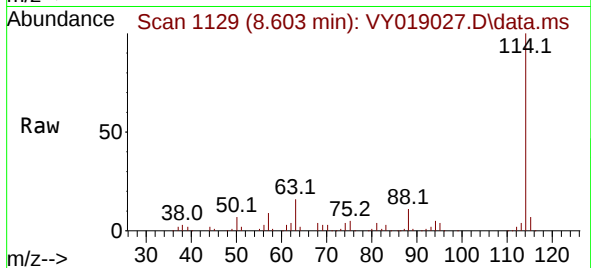
Tgt Ion:114 Resp: 82425

Ion Ratio Lower Upper

114 100

63 16.3 0.0 35.0

88 11.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.791 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY019027.D

Acq: 13 Aug 2024 14:16

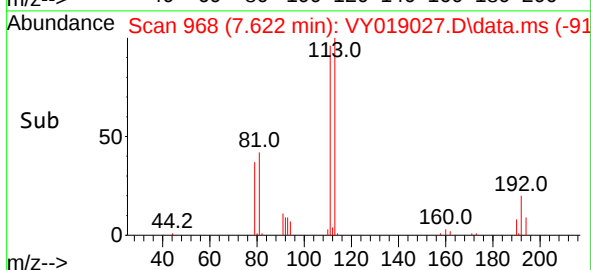
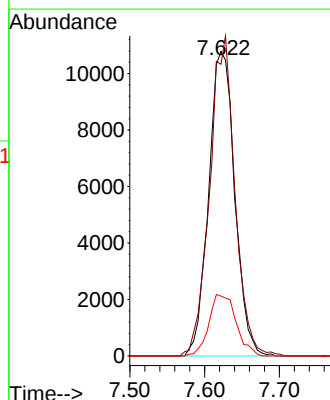
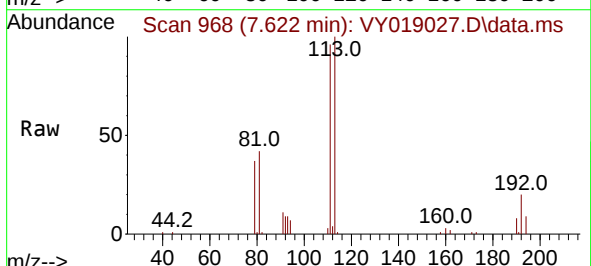
Tgt Ion:113 Resp: 26212

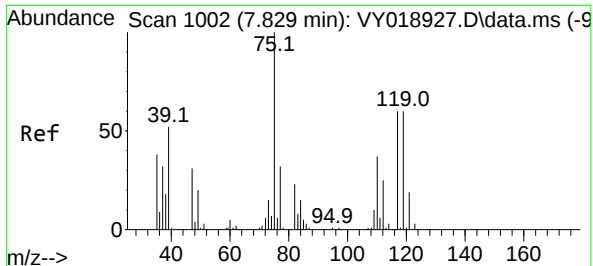
Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

192 21.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.506 ug/l

RT: 7.689 min Scan# 91

Delta R.T. -0.140 min

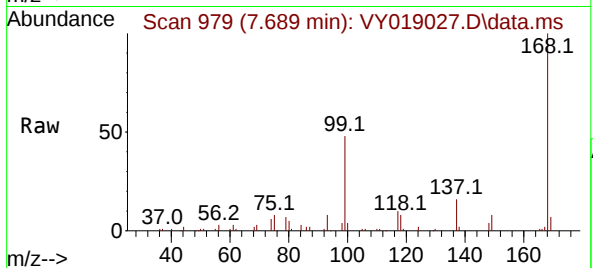
Lab File: VY019027.D

Acq: 13 Aug 2024 14:16

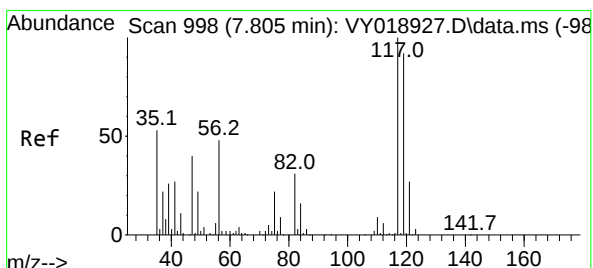
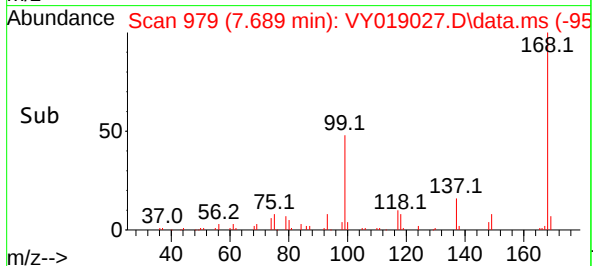
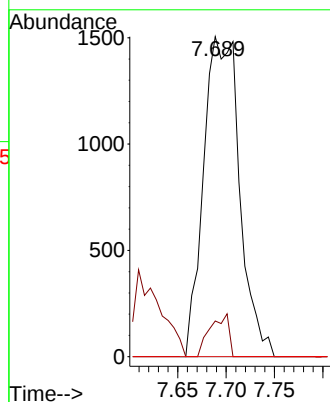
Instrument :

MSVOA\_Y

ClientSampleId :



|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 3891     |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 7.0 19.0 57.0# |
| 77          | 0.0 25.3 37.9# |



#38

Carbon Tetrachloride

Concen: 5.770 ug/l

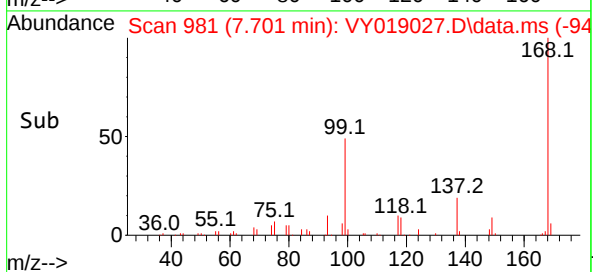
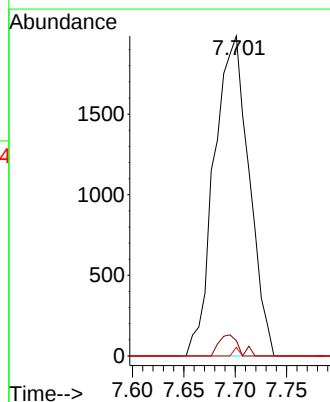
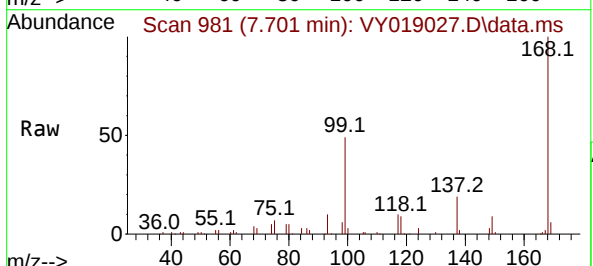
RT: 7.701 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY019027.D

Acq: 13 Aug 2024 14:16

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 4675      |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 4.8 75.8 113.6# |
| 121          | 2.7 24.0 36.0#  |

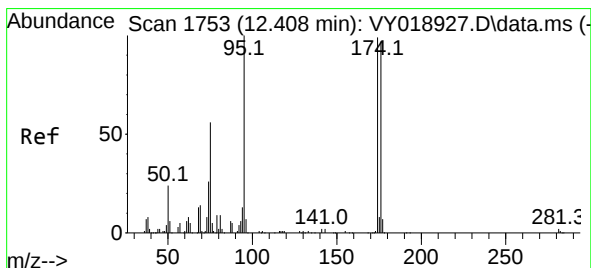
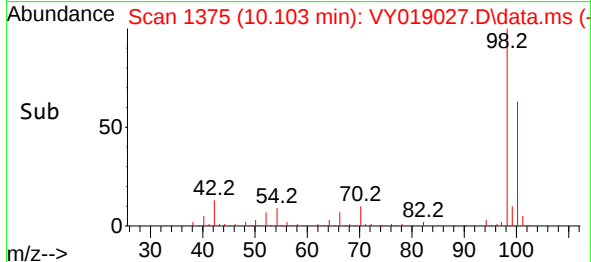
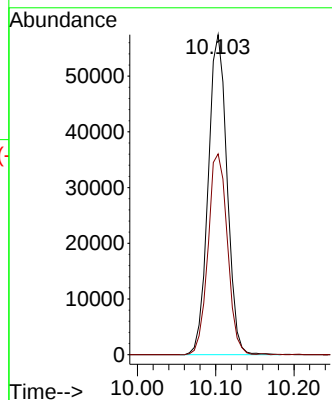
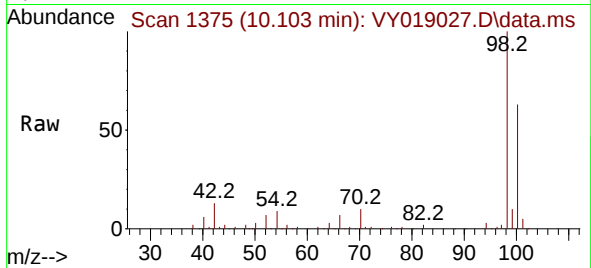




#50  
Toluene-d8  
Concen: 47.451 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY019027.D  
Acq: 13 Aug 2024 14:16

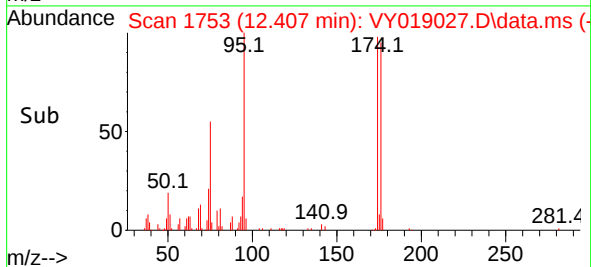
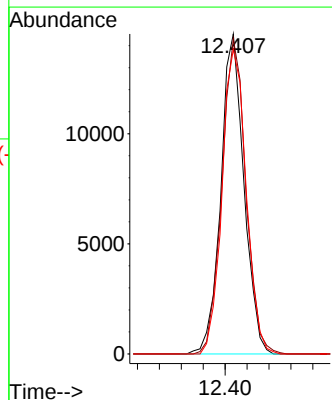
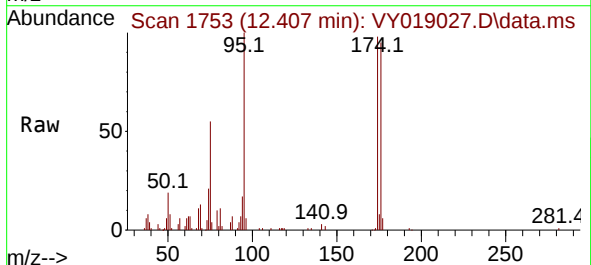
Instrument :  
MSVOA\_Y  
ClientSampleId :

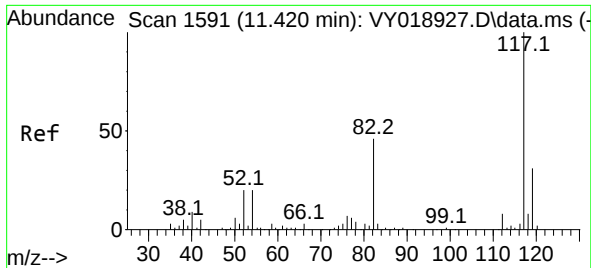
Tgt Ion: 98 Resp: 95949  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 35.444 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY019027.D  
Acq: 13 Aug 2024 14:16

Tgt Ion: 95 Resp: 21263  
Ion Ratio Lower Upper  
95 100  
174 101.8 0.0 175.6  
176 99.3 0.0 171.4

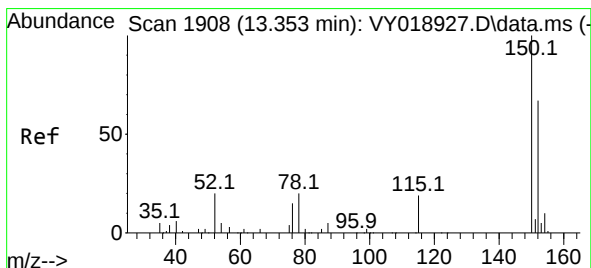
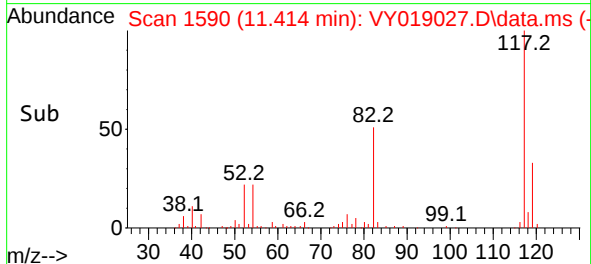
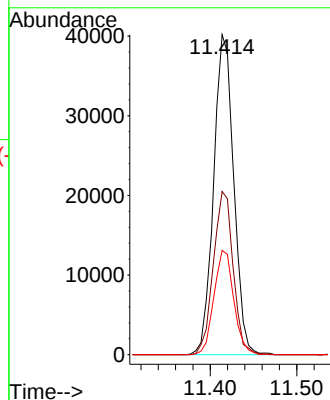
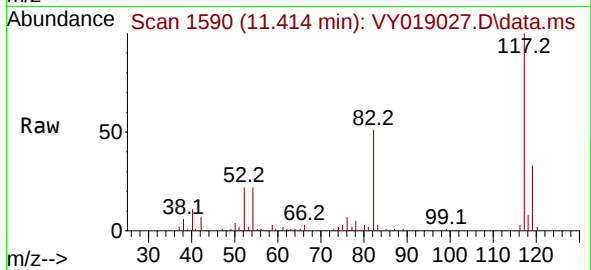




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019027.D  
Acq: 13 Aug 2024 14:16

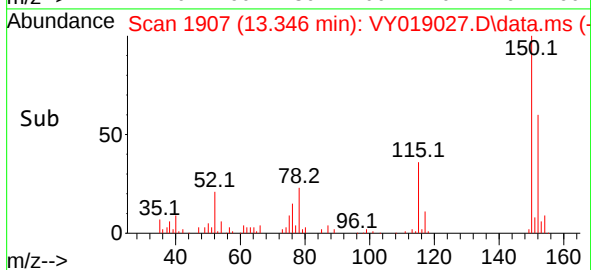
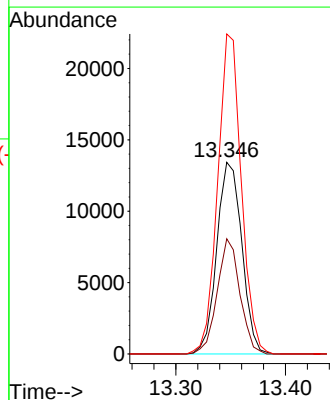
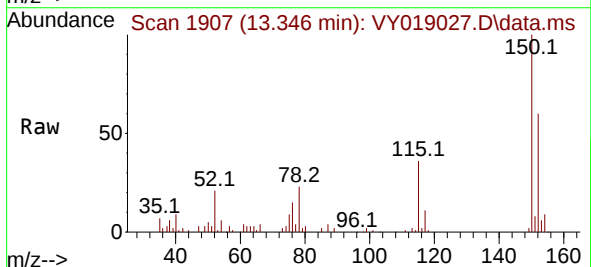
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MSVOA\_Y  
ClientSampleId :

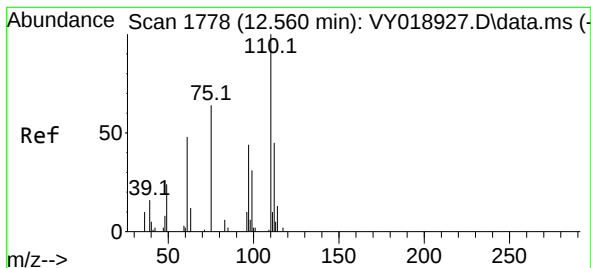
Tgt Ion:117 Resp: 64786  
Ion Ratio Lower Upper  
117 100  
82 51.0 42.4 63.6  
119 32.6 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.006 min  
Lab File: VY019027.D  
Acq: 13 Aug 2024 14:16

Tgt Ion:152 Resp: 21299  
Ion Ratio Lower Upper  
152 100  
115 54.6 28.2 84.7  
150 157.8 0.0 345.6

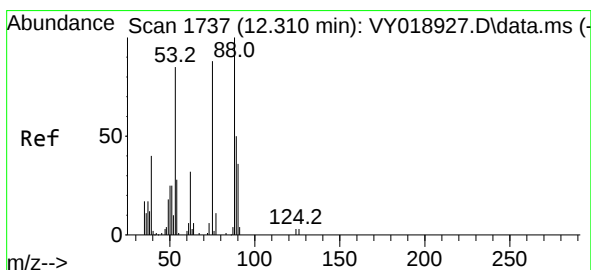
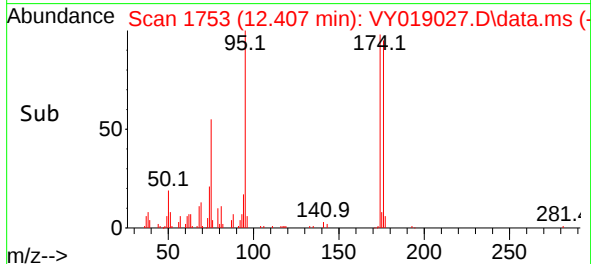
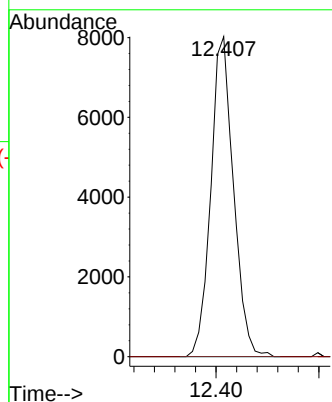
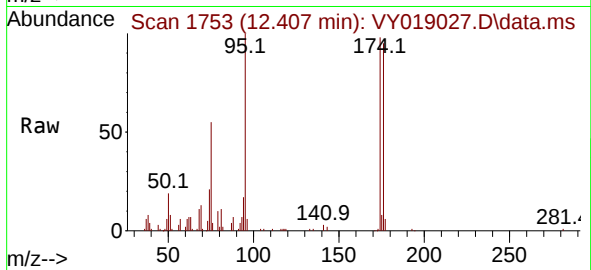




#76  
1,2,3-Trichloropropane  
Concen: 77.473 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.153 min  
Lab File: VY019027.D  
Acq: 13 Aug 2024 14:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 12293  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 159.641 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.097 min  
Lab File: VY019027.D  
Acq: 13 Aug 2024 14:16

Tgt Ion: 75 Resp: 12293  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 35.8 53.6#

