

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120324\  
 Data File : VY020494.D  
 Acq On : 03 Dec 2024 10:04  
 Operator : SY/MD  
 Sample : VY1203SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 03 21:41:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 01:39:23 2024  
 Response via : Initial Calibration

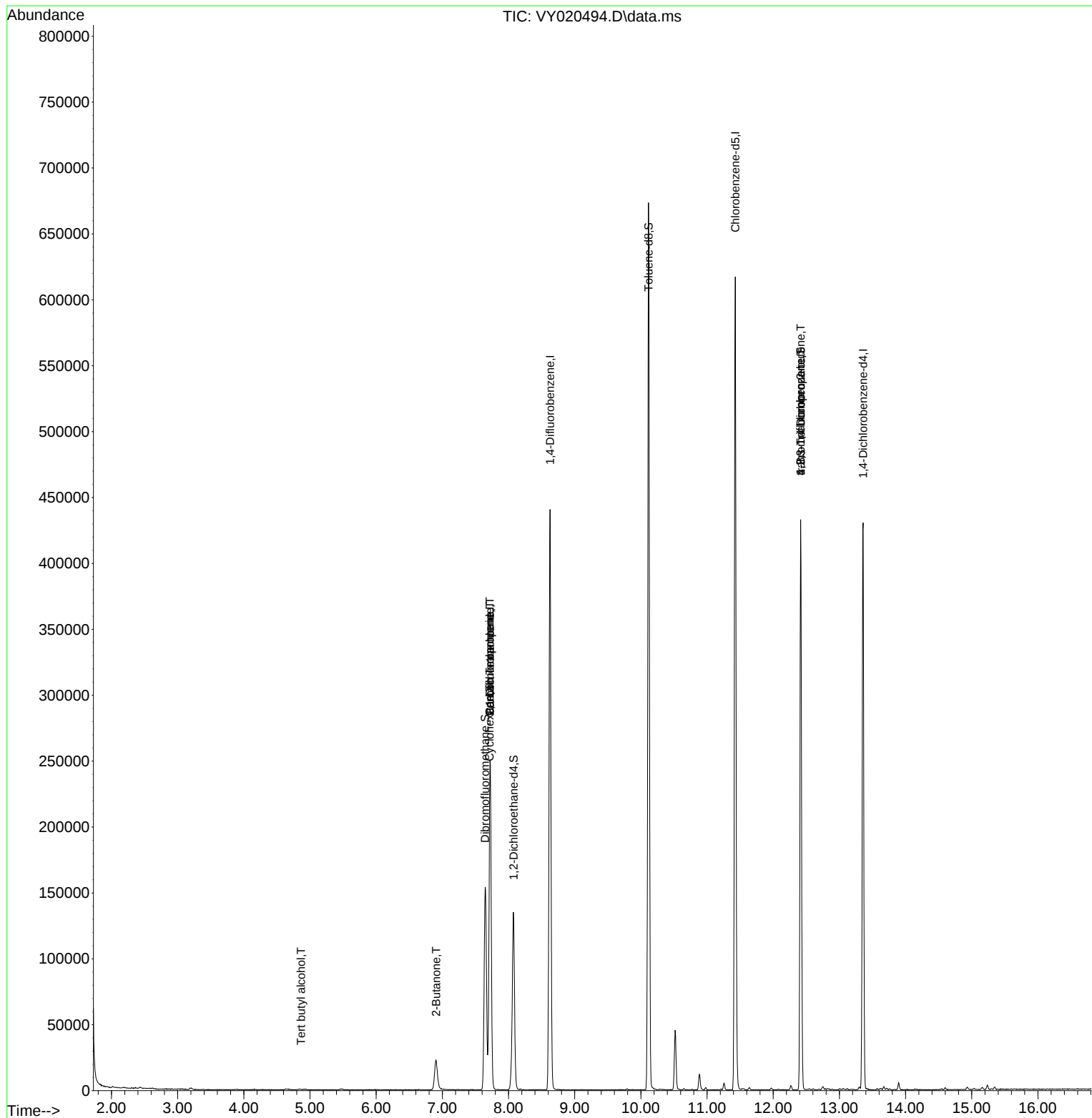
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.719  | 168   | 188757   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.628  | 114   | 365751   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.426 | 117   | 322043   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.359 | 152   | 107621   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.079  | 65    | 105936   | 55.184   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 110.360% |
| 35) Dibromofluoromethane      | 7.646  | 113   | 113044   | 49.095   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 98.180%  |
| 50) Toluene-d8                | 10.115 | 98    | 431345   | 49.196   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 98.400%  |
| 62) 4-Bromofluorobenzene      | 12.414 | 95    | 129798   | 42.328   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery | =      | 84.660%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 4.866  | 59    | 659      | 5.292    | ug/l # | 73       |
| 25) 2-Butanone                | 6.909  | 43    | 1424     | 2.363    | ug/l # | 50       |
| 31) Cyclohexane               | 7.713  | 56    | 4238     | 1.120    | ug/l # | 9        |
| 36) 1,1-Dichloropropene       | 7.719  | 75    | 15533    | 3.995    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.719  | 117   | 19466    | 4.195    | ug/l # | 14       |
| 76) 1,2,3-Trichloropropane    | 12.414 | 75    | 70727    | 64.513   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.414 | 75    | 70727    | 132.371  | ug/l # | 9        |
| -----                         |        |       |          |          |        |          |

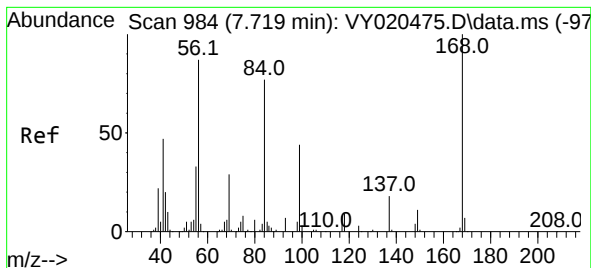
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120324\  
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Sample : VY1203SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Dec 03 21:41:28 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 03 01:39:23 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.719 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY020494.D

Acq: 03 Dec 2024 10:04

Instrument :

MSVOA\_Y

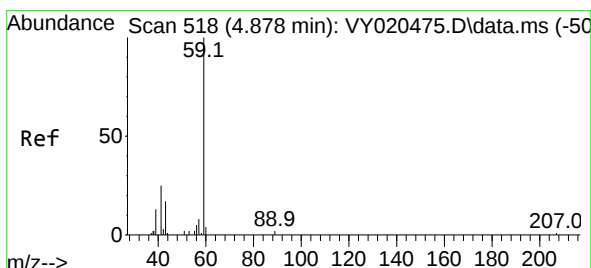
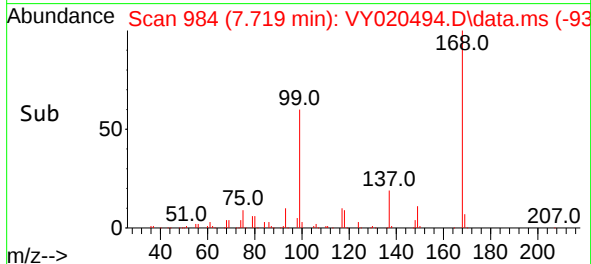
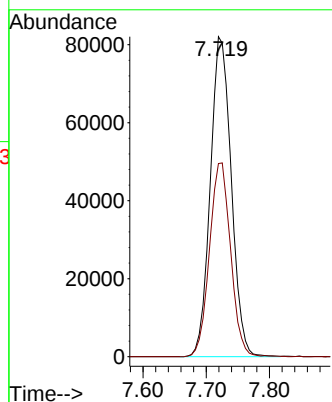
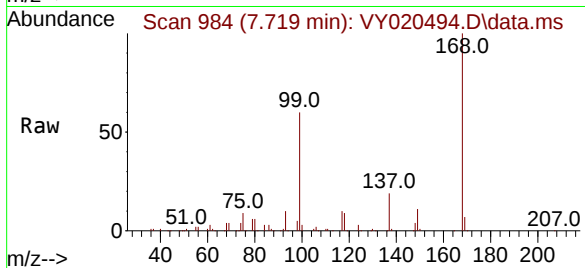
ClientSampleId :

Tgt Ion:168 Resp: 188757

Ion Ratio Lower Upper

168 100

99 60.3 46.6 69.8



#11

Tert butyl alcohol

Concen: 5.292 ug/l

RT: 4.866 min Scan# 516

Delta R.T. -0.012 min

Lab File: VY020494.D

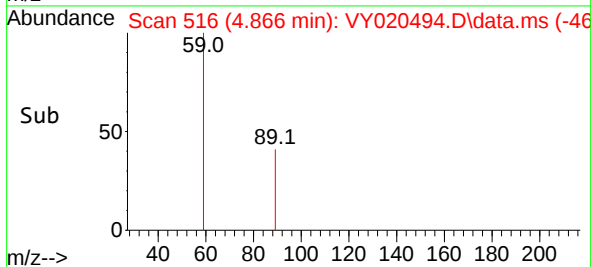
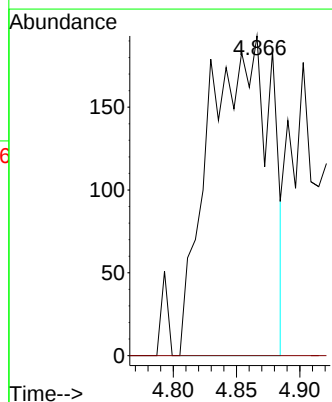
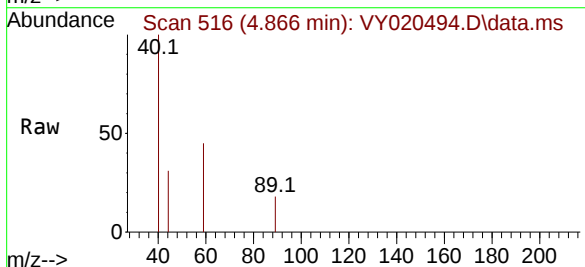
Acq: 03 Dec 2024 10:04

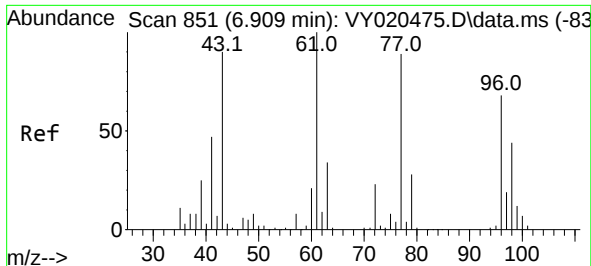
Tgt Ion: 59 Resp: 659

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#

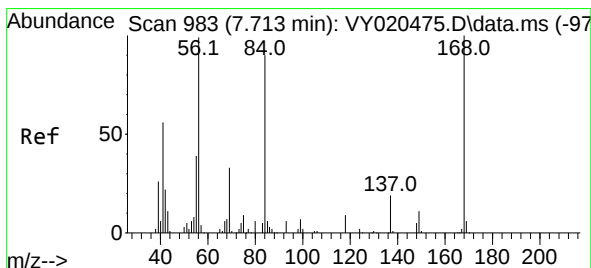
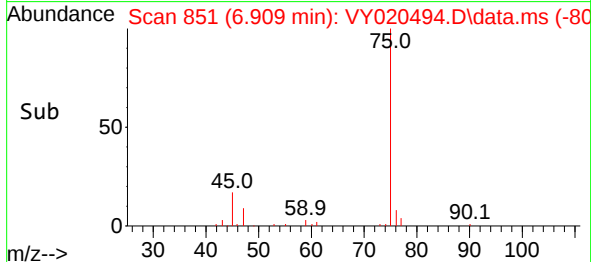
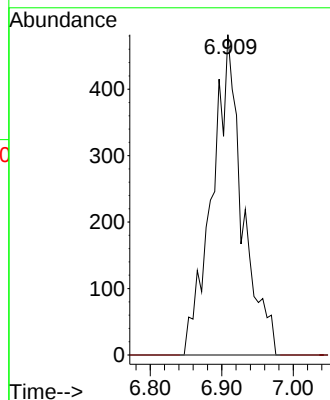
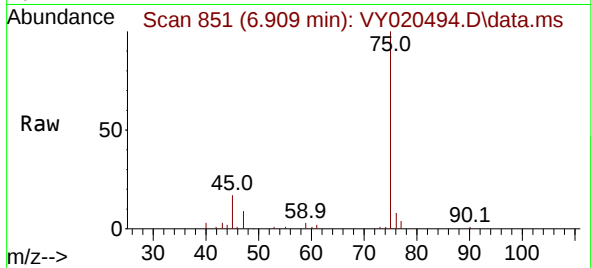




#25  
2-Butanone  
Concen: 2.363 ug/l  
RT: 6.909 min Scan# 851  
Delta R.T. -0.000 min  
Lab File: VY020494.D  
Acq: 03 Dec 2024 10:04

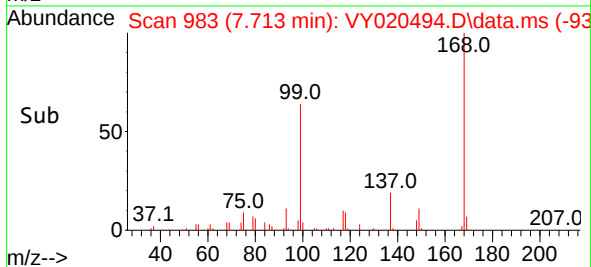
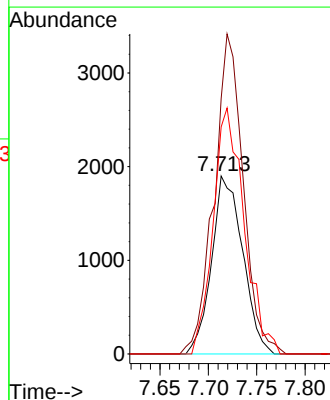
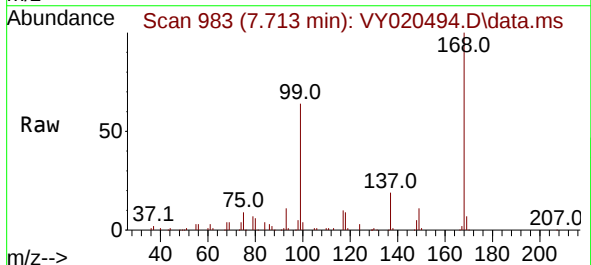
Instrument :  
MSVOA\_Y  
ClientSampleId :

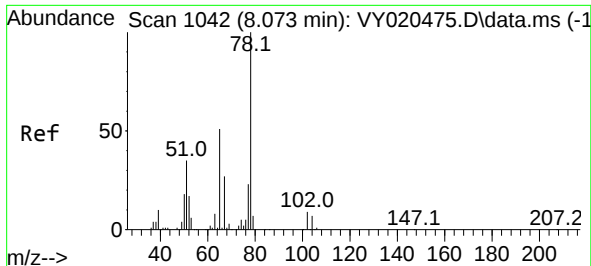
Tgt Ion: 43 Resp: 1424  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.4 30.6#



#31  
Cyclohexane  
Concen: 1.120 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. -0.000 min  
Lab File: VY020494.D  
Acq: 03 Dec 2024 10:04

Tgt Ion: 56 Resp: 4238  
Ion Ratio Lower Upper  
56 100  
69 143.5 25.3 37.9#  
84 127.5 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 55.184 ug/l

RT: 8.079 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY020494.D

Acq: 03 Dec 2024 10:04

Instrument :

MSVOA\_Y

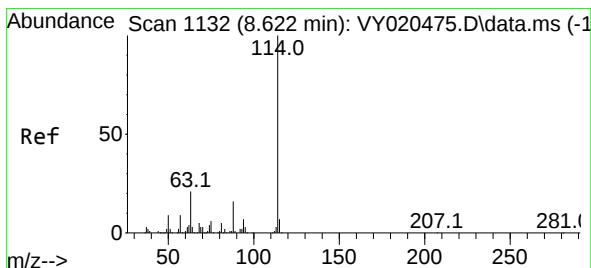
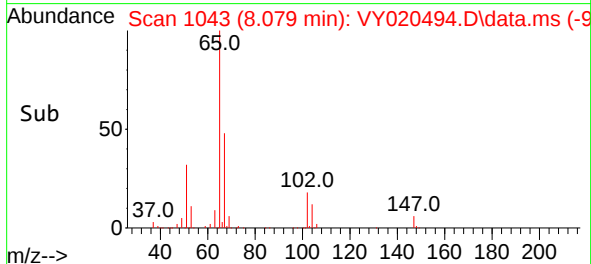
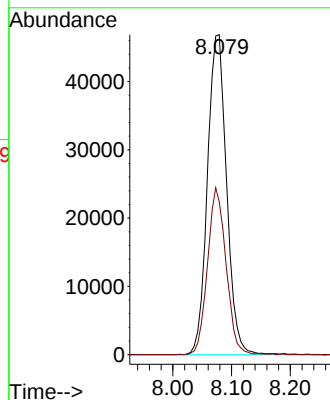
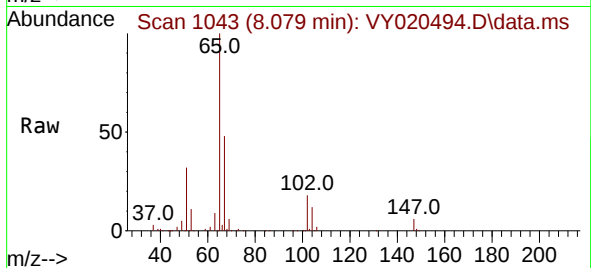
ClientSampleId :

Tgt Ion: 65 Resp: 105936

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY020494.D

Acq: 03 Dec 2024 10:04

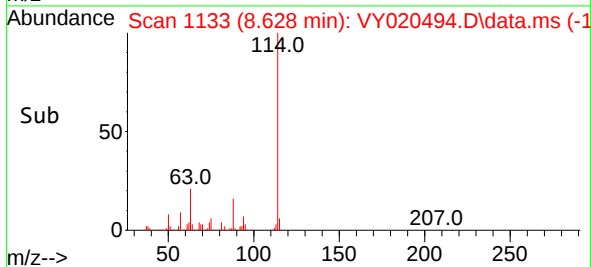
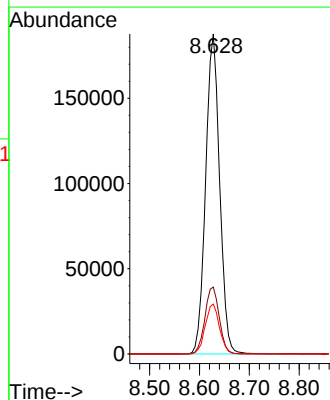
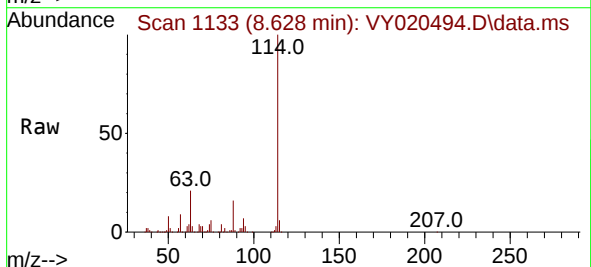
Tgt Ion: 114 Resp: 365751

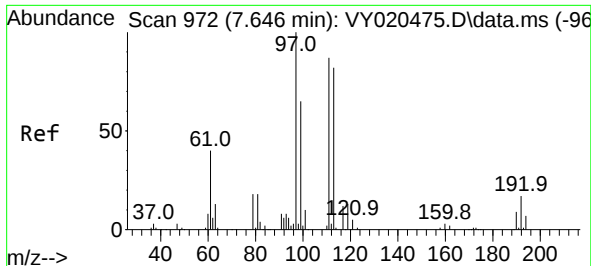
Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.8

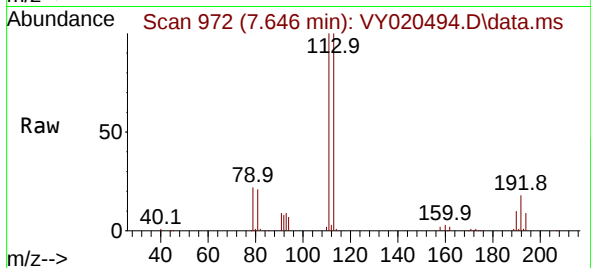
88 15.6 0.0 32.0



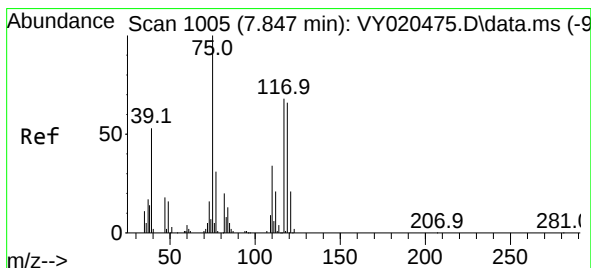
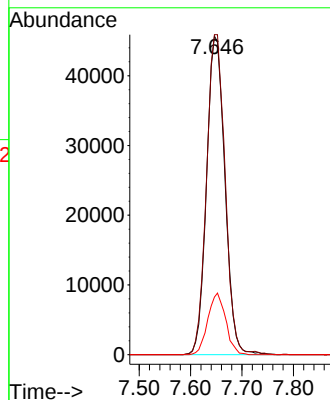
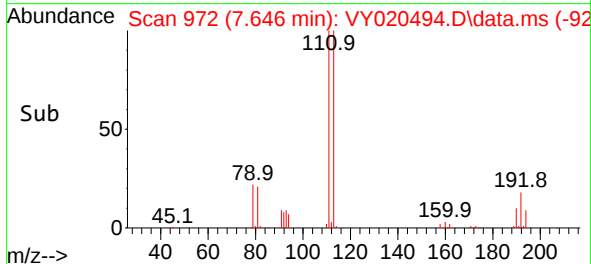


#35  
Dibromofluoromethane  
Concen: 49.095 ug/l  
RT: 7.646 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY020494.D  
Acq: 03 Dec 2024 10:04

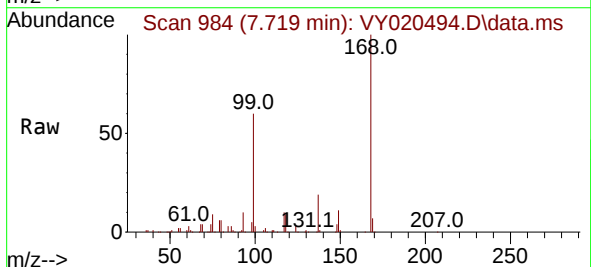
Instrument :  
MSVOA\_Y  
ClientSampleId :



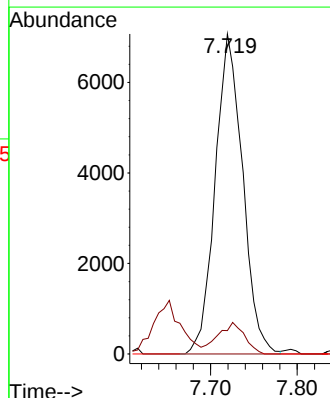
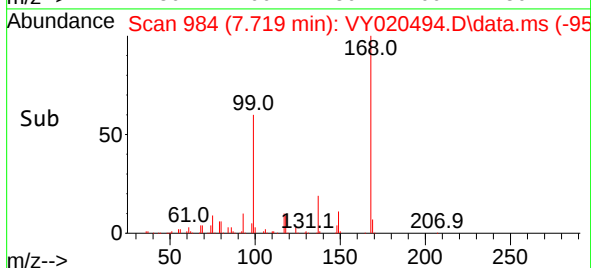
Tgt Ion:113 Resp: 113044  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.4 122.0  
192 18.9 15.1 22.7

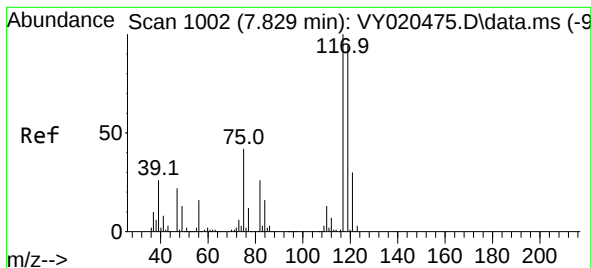


#36  
1,1-Dichloropropene  
Concen: 3.995 ug/l  
RT: 7.719 min Scan# 984  
Delta R.T. -0.128 min  
Lab File: VY020494.D  
Acq: 03 Dec 2024 10:04



Tgt Ion: 75 Resp: 15533  
Ion Ratio Lower Upper  
75 100  
110 9.6 16.7 50.0#  
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.195 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.110 min

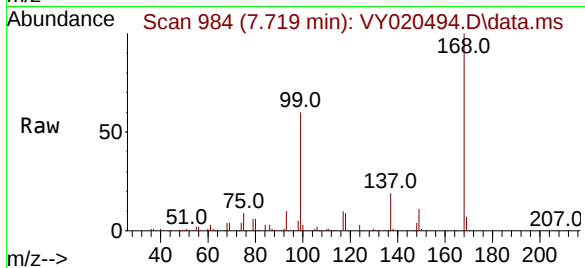
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Acq: 03 Dec 2024 10:04

Instrument :

MSVOA\_Y

ClientSampleId :



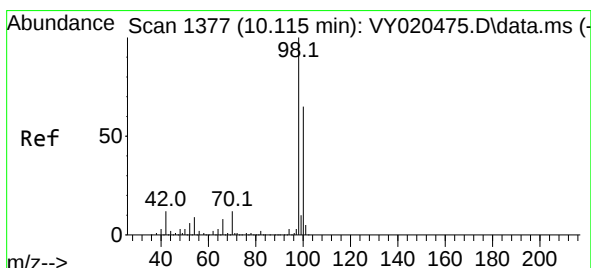
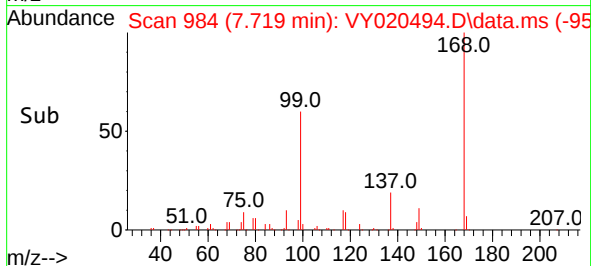
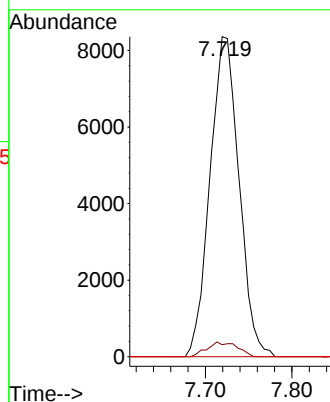
Tgt Ion:117 Resp: 19466

Ion Ratio Lower Upper

117 100

119 3.8 77.8 116.6#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 49.196 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. -0.000 min

Lab File: VY020494.D

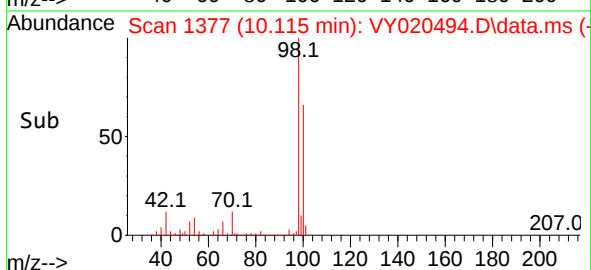
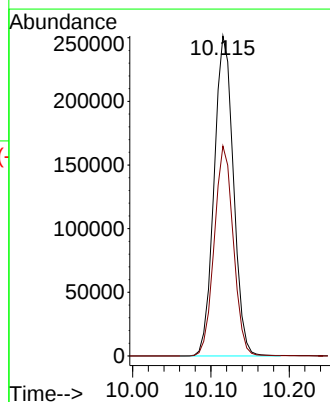
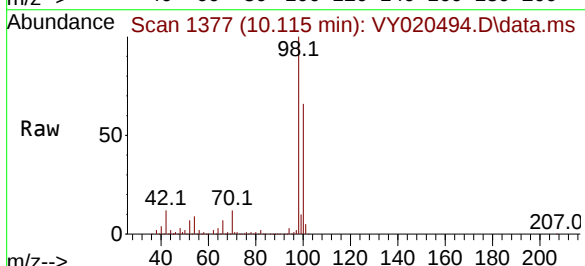
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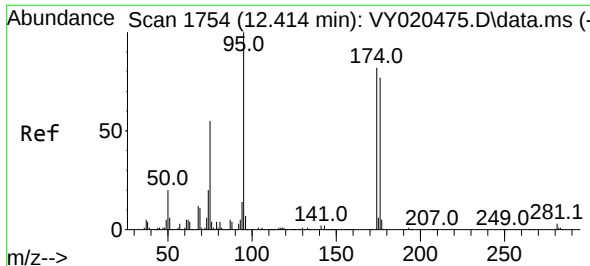
Tgt Ion: 98 Resp: 431345

Ion Ratio Lower Upper

98 100

100 64.8 51.3 76.9

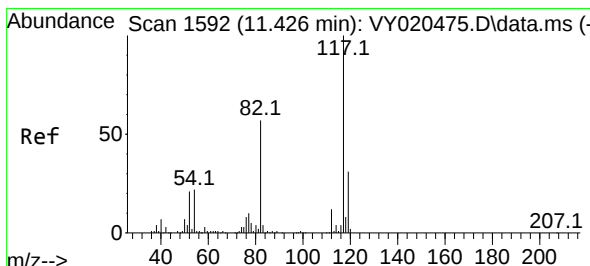
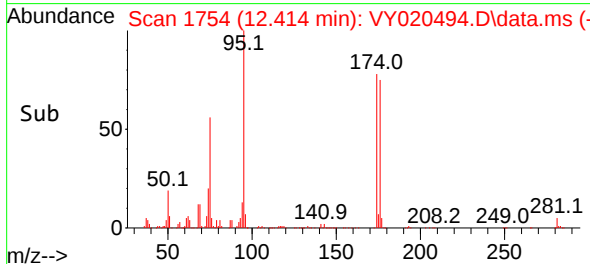
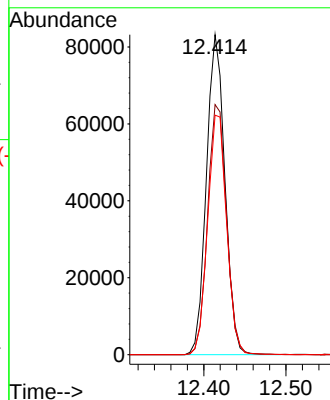
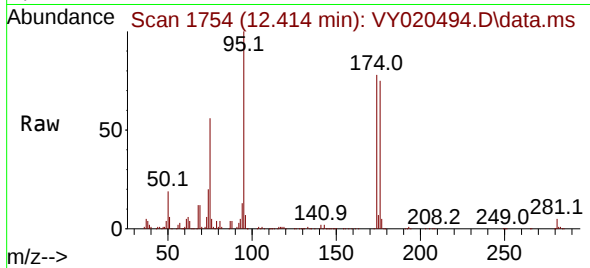




#62  
4-Bromofluorobenzene  
Concen: 42.328 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. -0.000 min  
Lab File: VY020494.D  
Acq: 03 Dec 2024 10:04

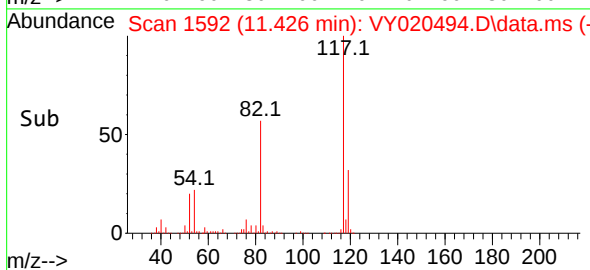
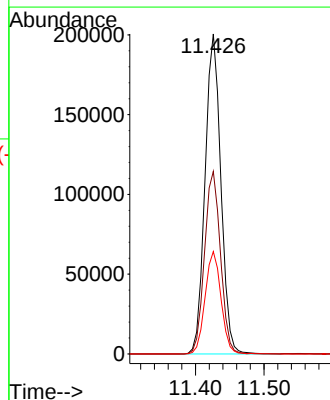
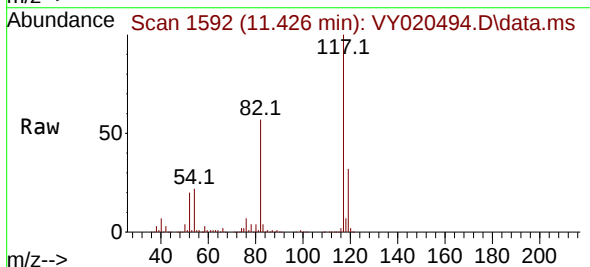
Instrument :  
MSVOA\_Y  
ClientSampleId :

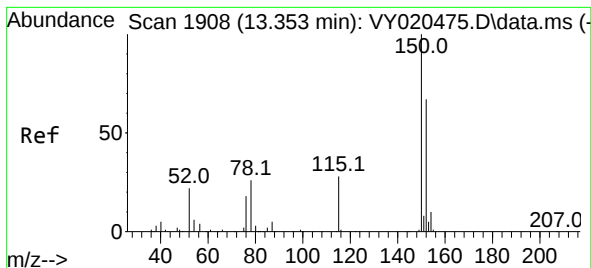
Tgt Ion: 95 Resp: 129798  
Ion Ratio Lower Upper  
95 100  
174 80.2 0.0 156.8  
176 77.1 0.0 152.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.426 min Scan# 1592  
Delta R.T. -0.000 min  
Lab File: VY020494.D  
Acq: 03 Dec 2024 10:04

Tgt Ion: 117 Resp: 322043  
Ion Ratio Lower Upper  
117 100  
82 57.1 48.2 72.4  
119 32.0 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1908

Delta R.T. 0.006 min

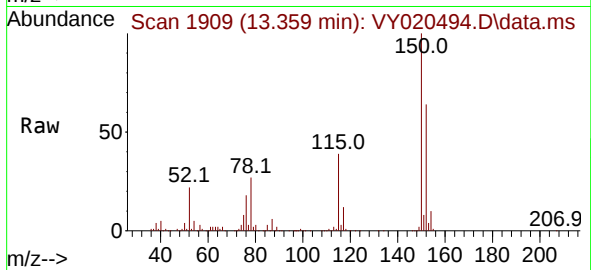
Lab File: VY020494.D

Acq: 03 Dec 2024 10:04

Instrument :

MSVOA\_Y

ClientSampleId :



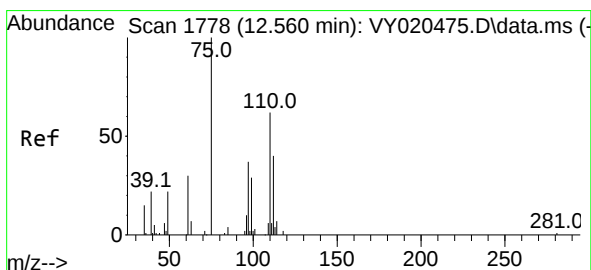
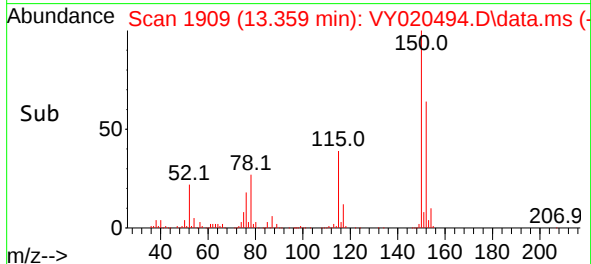
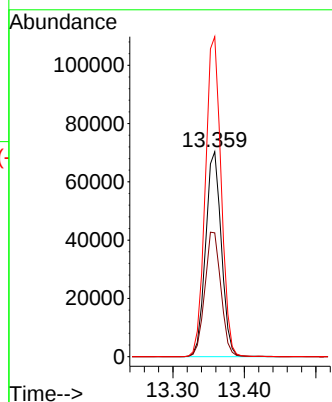
Tgt Ion:152 Resp: 107621

Ion Ratio Lower Upper

152 100

115 62.1 30.0 90.0

150 156.3 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 64.513 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY020494.D

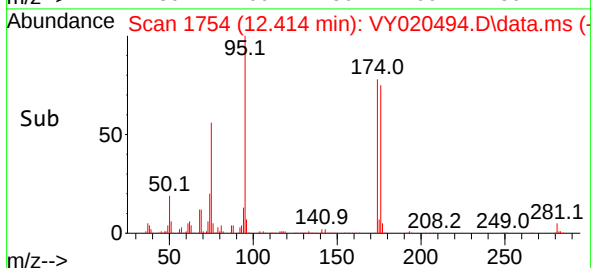
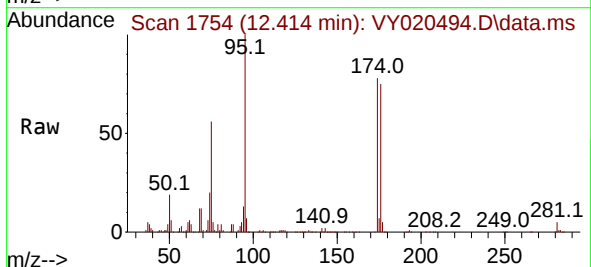
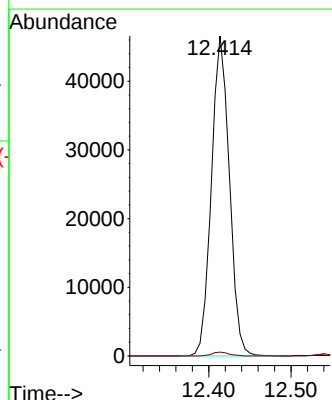
Acq: 03 Dec 2024 10:04

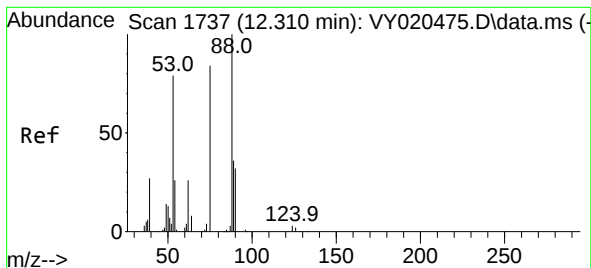
Tgt Ion: 75 Resp: 70727

Ion Ratio Lower Upper

75 100

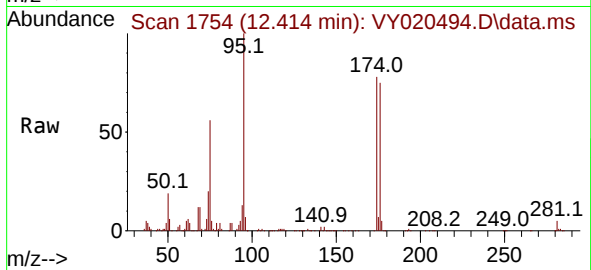
77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 132.371 ug/l  
 RT: 12.414 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY020494.D  
 Acq: 03 Dec 2024 10:04

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 70727  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 81.1 121.7#  
 89 0.1 35.1 52.7#

