

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122024\  
 Data File : VY020665.D  
 Acq On : 20 Dec 2024 11:24  
 Operator : SY/MD  
 Sample : VY1220SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1220SBL01

Quant Time: Dec 20 18:08:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 Response via : Initial Calibration

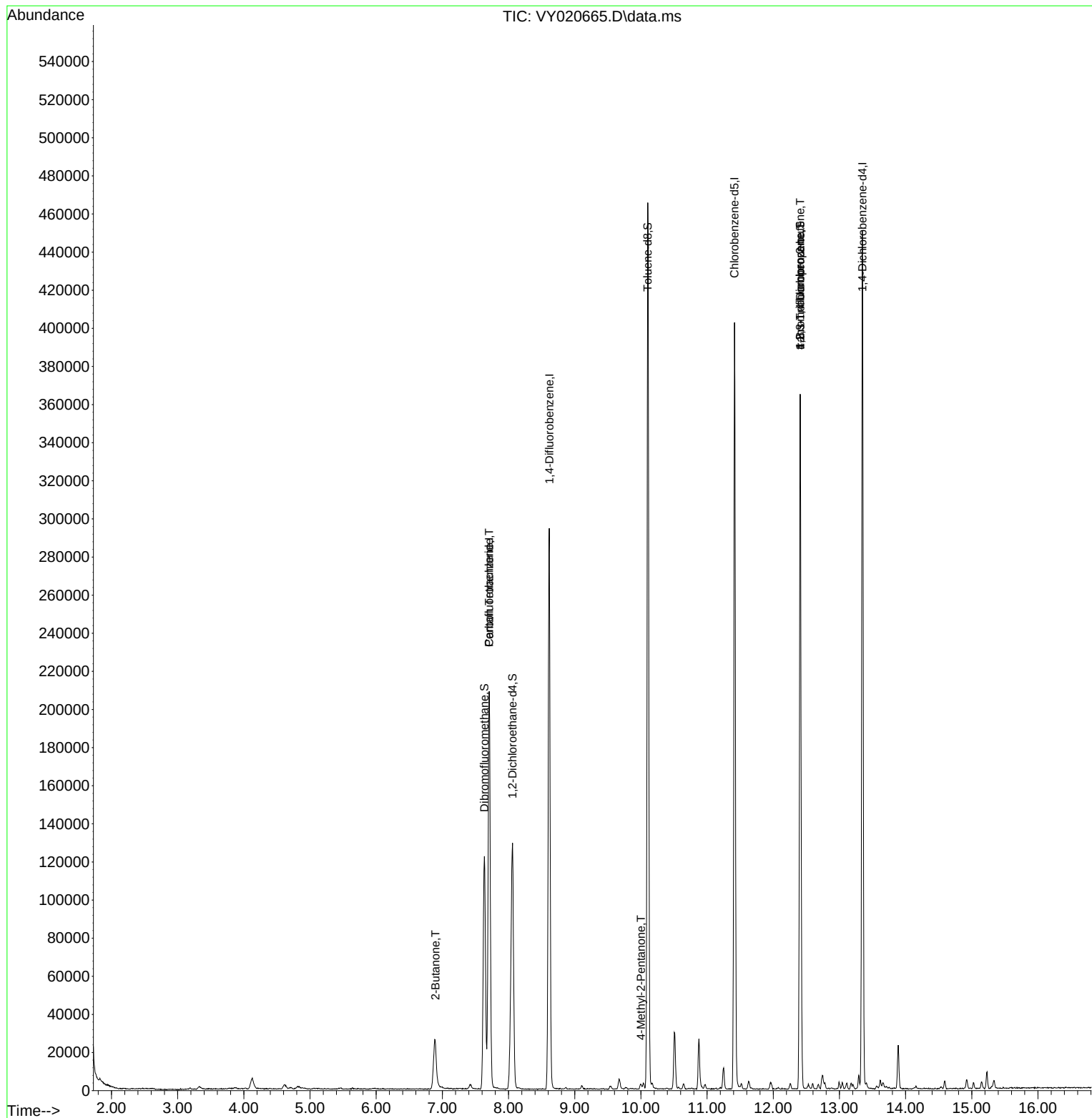
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 159056   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 246351   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 208495   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.347 | 152   | 109647   | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 85448    | 49.052    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 98.100%  |
| 35) Dibromofluoromethane      | 7.634  | 113   | 88079    | 50.730    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 101.460% |
| 50) Toluene-d8                | 10.103 | 98    | 302895   | 49.843    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 99.680%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 105889   | 44.544    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | =      | 89.080%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
| 11) Tert butyl alcohol        | 4.818  | 59    | 1005     | Below Cal | #      | 75       |
| 16) Acetone                   | 3.867  | 43    | 1011     | Below Cal | #      | 43       |
| 25) 2-Butanone                | 6.896  | 43    | 1764     | 2.725     | ug/l # | 49       |
| 30) Chloroform                | 7.415  | 83    | 2316     | Below Cal |        | 95       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 16124    | 4.603     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43    | 2233     | 1.501     | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 57181    | 50.202    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 57181    | 105.376   | ug/l # | 12       |
| -----                         |        |       |          |           |        |          |

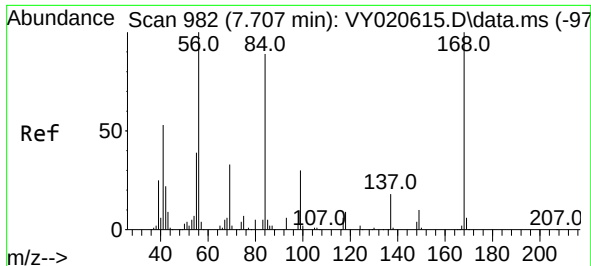
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VY1220SBL01  
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1220SBL01

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 18 05:27:13 2024  
Response via : Initial Calibration

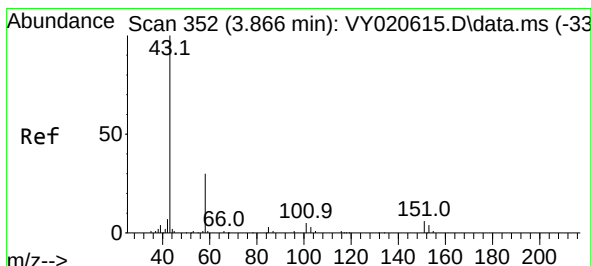
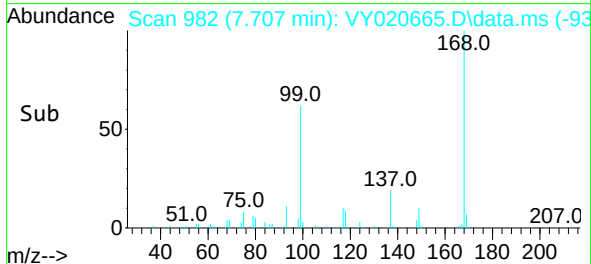
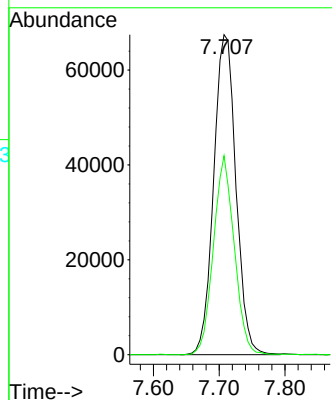
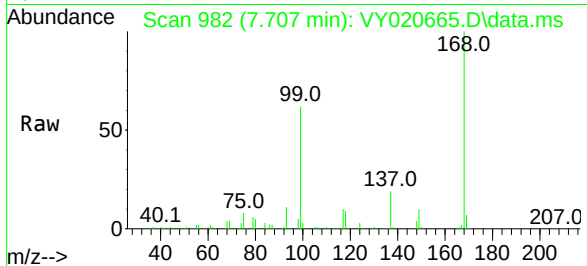




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY020665.D  
Acq: 20 Dec 2024 11:24

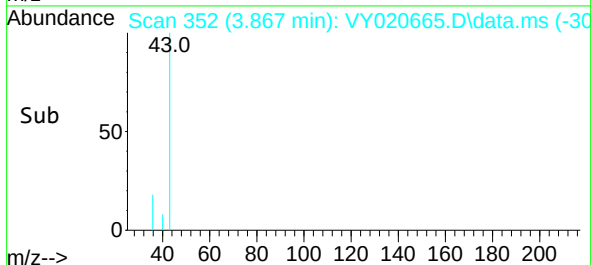
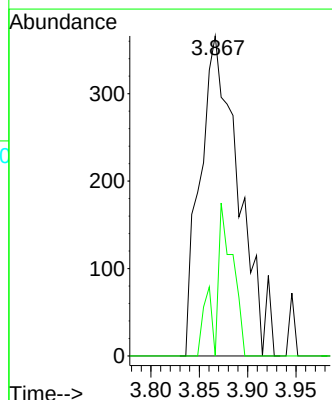
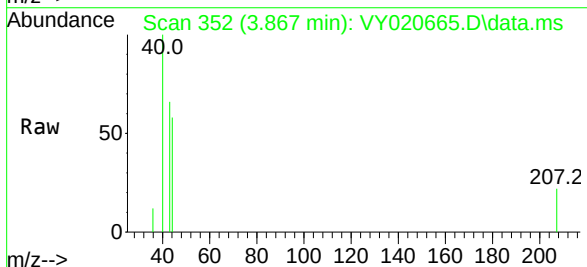
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1220SBL01

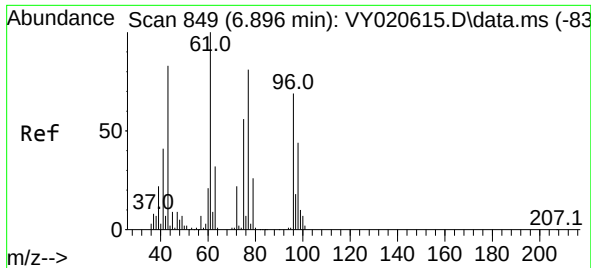
Tgt Ion:168 Resp: 159056  
Ion Ratio Lower Upper  
168 100  
99 62.1 47.0 70.6



#16  
Acetone  
Concen: Below Cal  
RT: 3.867 min Scan# 352  
Delta R.T. 0.001 min  
Lab File: VY020665.D  
Acq: 20 Dec 2024 11:24

Tgt Ion: 43 Resp: 1011  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.0 37.6#

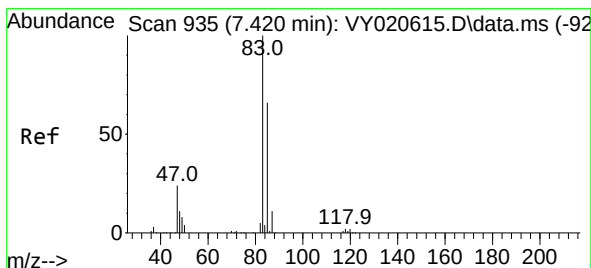
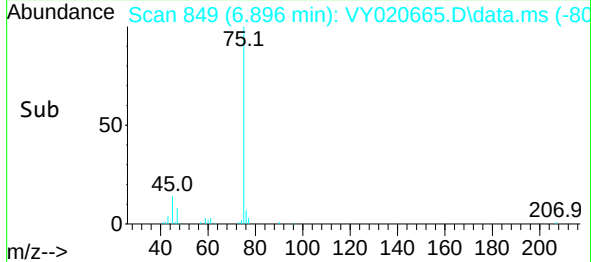
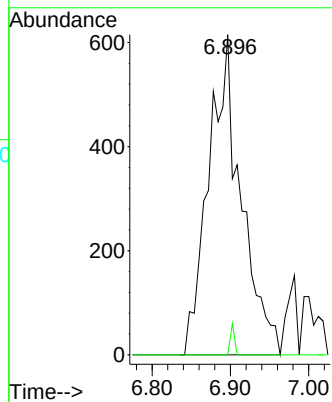
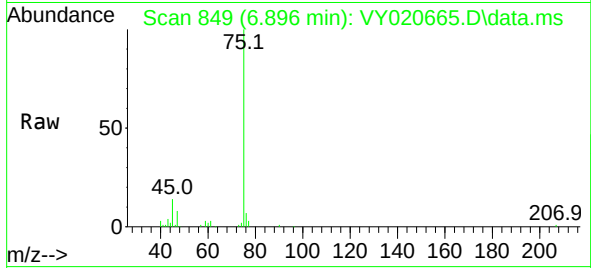




#25  
2-Butanone  
Concen: 2.725 ug/l  
RT: 6.896 min Scan# 849  
Delta R.T. 0.000 min  
Lab File: VY020665.D  
Acq: 20 Dec 2024 11:24

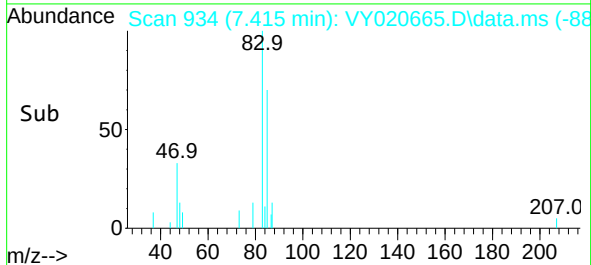
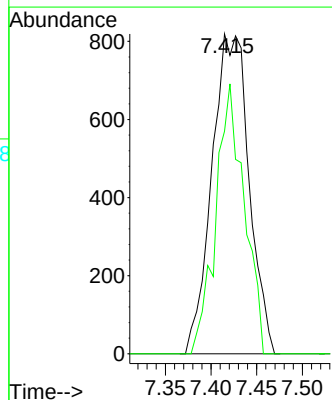
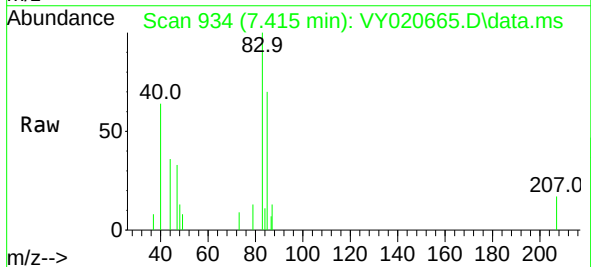
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1220SBL01

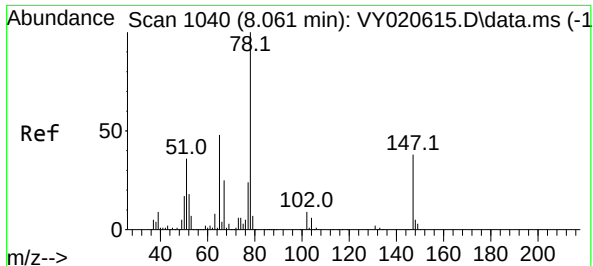
Tgt Ion: 43 Resp: 1764  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.6 31.0#



#30  
Chloroform  
Concen: Below Cal  
RT: 7.415 min Scan# 934  
Delta R.T. -0.005 min  
Lab File: VY020665.D  
Acq: 20 Dec 2024 11:24

Tgt Ion: 83 Resp: 2316  
Ion Ratio Lower Upper  
83 100  
85 69.6 52.7 79.1





#33

1,2-Dichloroethane-d4

Concen: 49.052 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY020665.D

Acq: 20 Dec 2024 11:24

Instrument :

MSVOA\_Y

ClientSampleId :

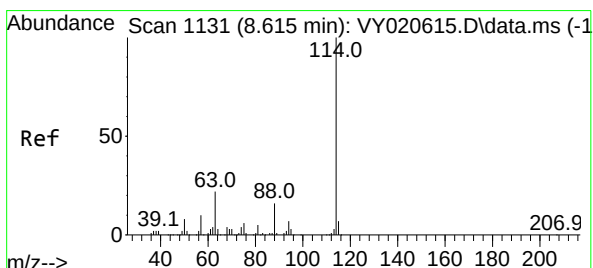
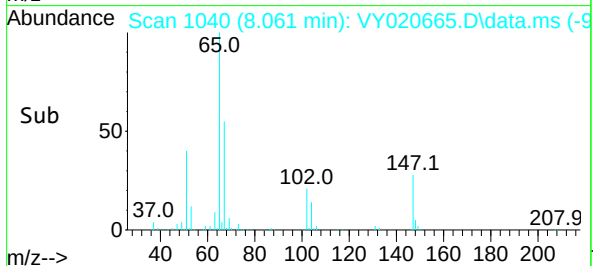
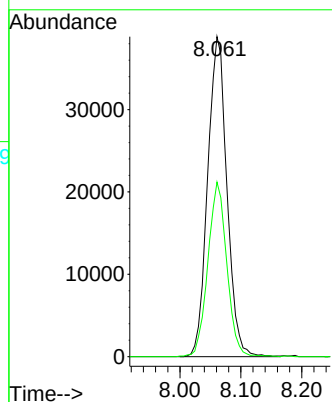
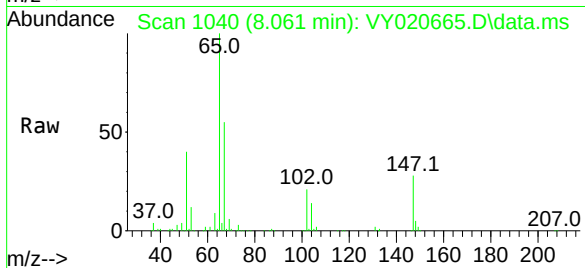
VY1220SBL01

Tgt Ion: 65 Resp: 85448

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020665.D

Acq: 20 Dec 2024 11:24

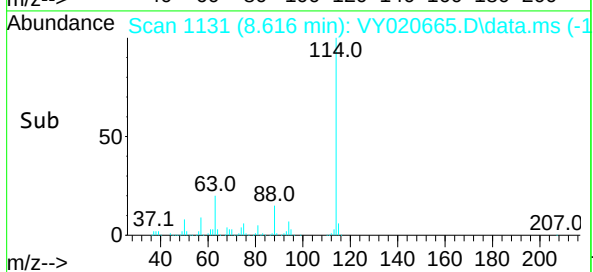
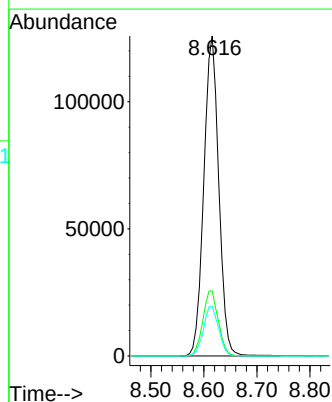
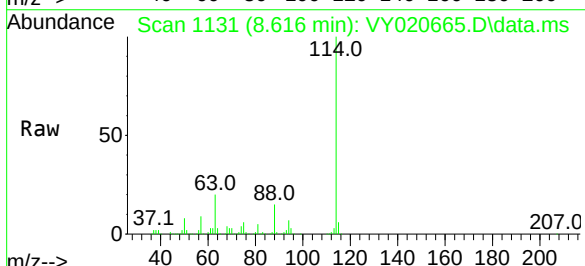
Tgt Ion: 114 Resp: 246351

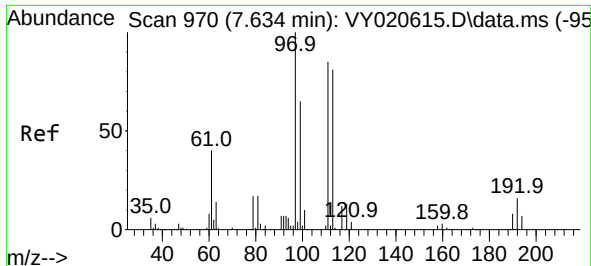
Ion Ratio Lower Upper

114 100

63 20.4 0.0 44.0

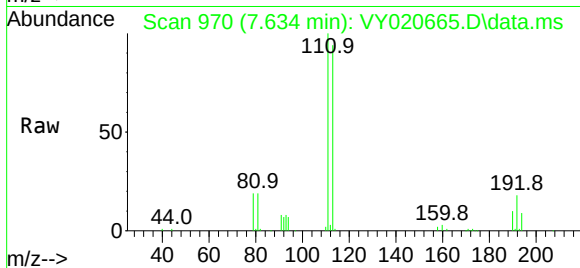
88 15.5 0.0 32.8



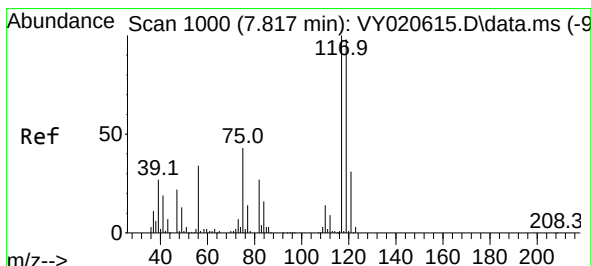
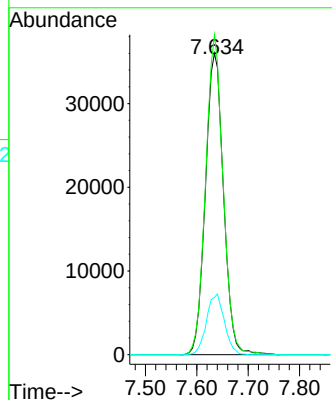
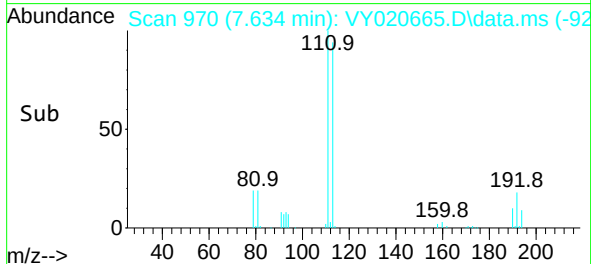


#35  
Dibromofluoromethane  
Concen: 50.730 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020665.D  
Acq: 20 Dec 2024 11:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1220SBL01

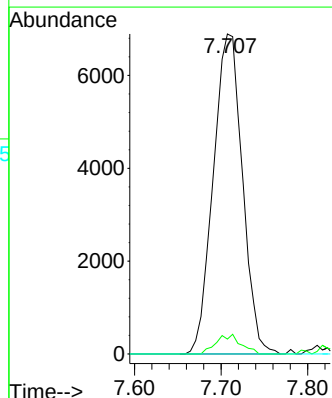
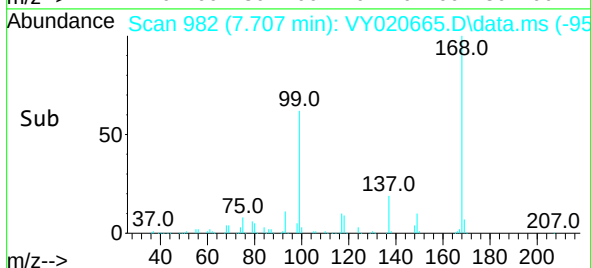
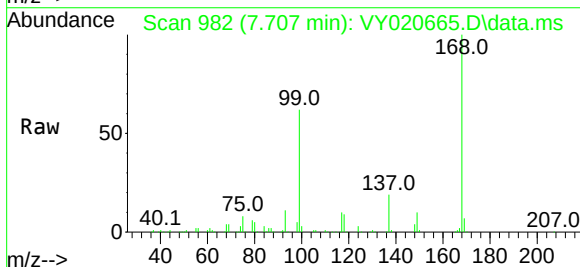


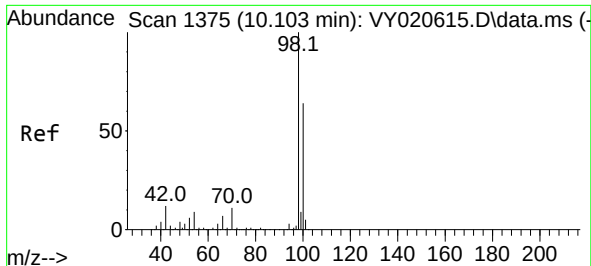
Tgt Ion:113 Resp: 88079  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.9 124.3  
192 19.9 15.7 23.5



#38  
Carbon Tetrachloride  
Concen: 4.603 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.109 min  
Lab File: VY020665.D  
Acq: 20 Dec 2024 11:24

Tgt Ion:117 Resp: 16124  
Ion Ratio Lower Upper  
117 100  
119 4.6 78.3 117.5#  
121 0.0 25.1 37.7#

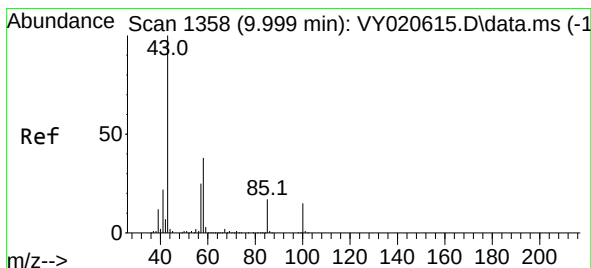
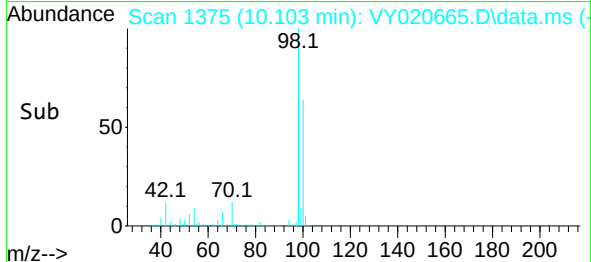
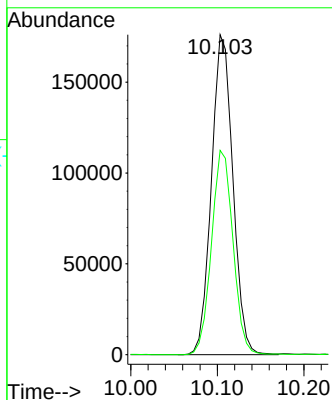
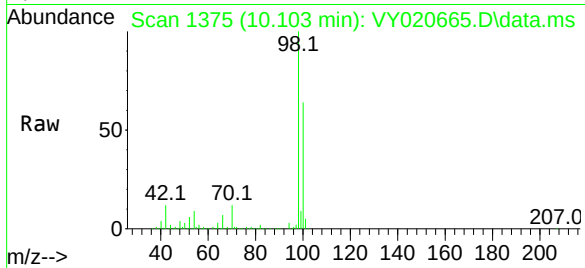




#50  
Toluene-d8  
Concen: 49.843 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY020665.D  
Acq: 20 Dec 2024 11:24

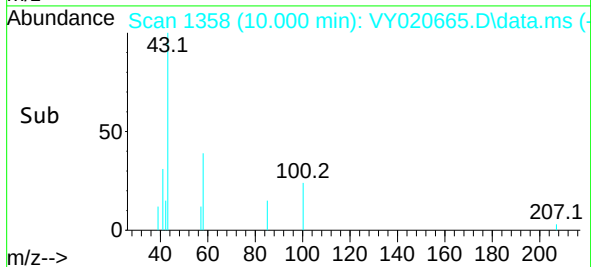
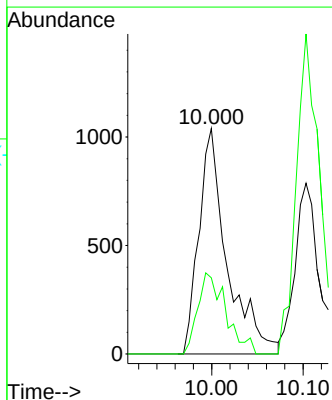
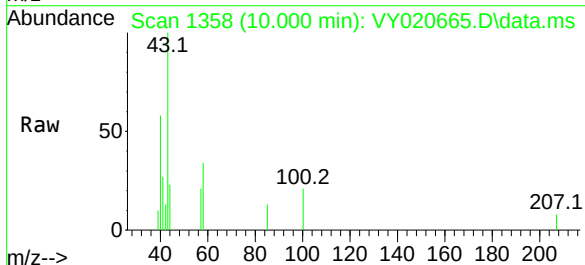
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1220SBL01

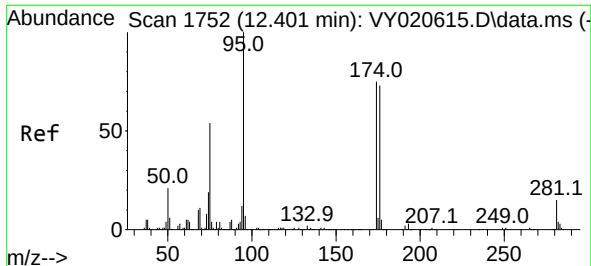
Tgt Ion: 98 Resp: 302895  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.1 78.1



#51  
4-Methyl-2-Pentanone  
Concen: 1.501 ug/l  
RT: 10.000 min Scan# 1358  
Delta R.T. 0.000 min  
Lab File: VY020665.D  
Acq: 20 Dec 2024 11:24

Tgt Ion: 43 Resp: 2233  
Ion Ratio Lower Upper  
43 100  
58 35.8 31.4 47.2

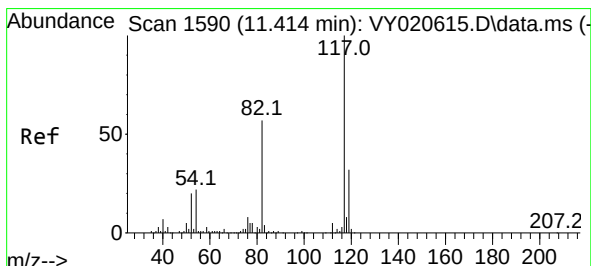
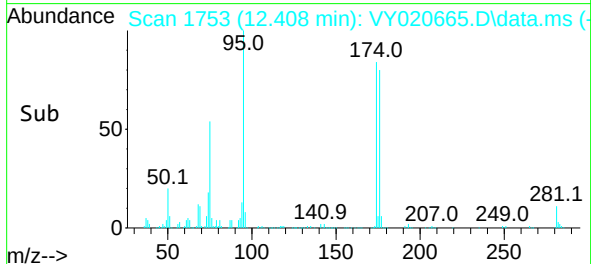
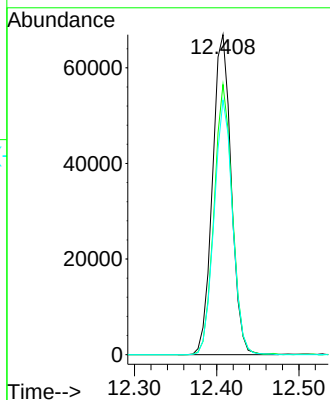
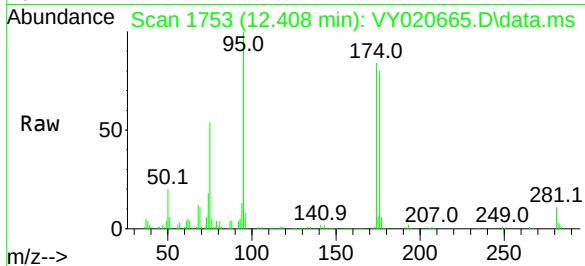




#62  
4-Bromofluorobenzene  
Concen: 44.544 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY020665.D  
Acq: 20 Dec 2024 11:24

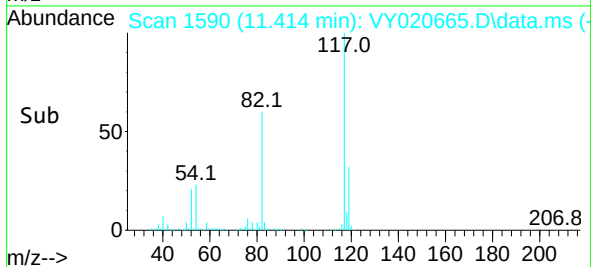
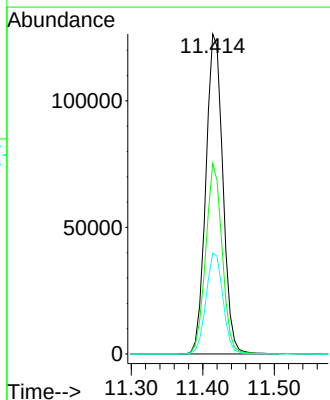
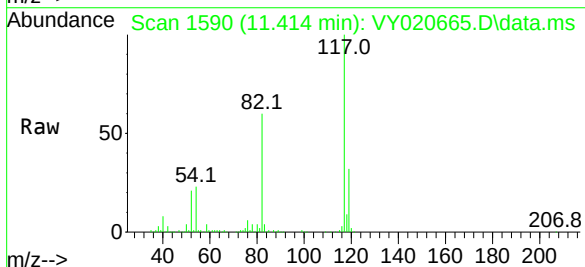
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ClientSampleId :  
VY1220SBL01

Tgt Ion: 95 Resp: 105889  
Ion Ratio Lower Upper  
95 100  
174 82.4 0.0 161.8  
176 78.6 0.0 156.6

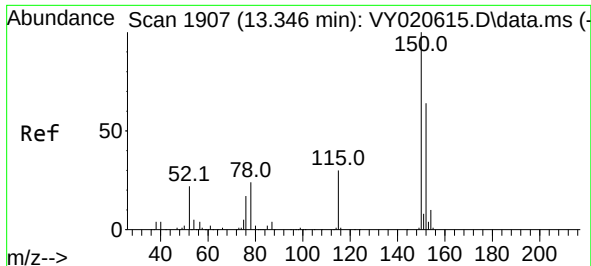


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VY020665.D  
Acq: 20 Dec 2024 11:24

Tgt Ion: 117 Resp: 208495  
Ion Ratio Lower Upper  
117 100  
82 59.6 45.8 68.6  
119 31.5 25.3 37.9



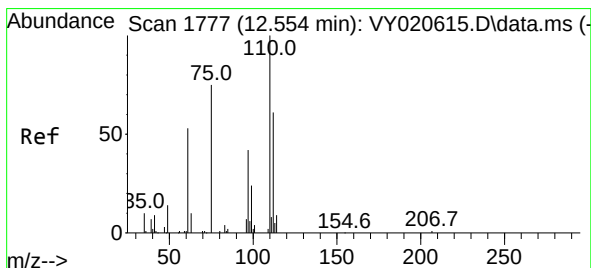
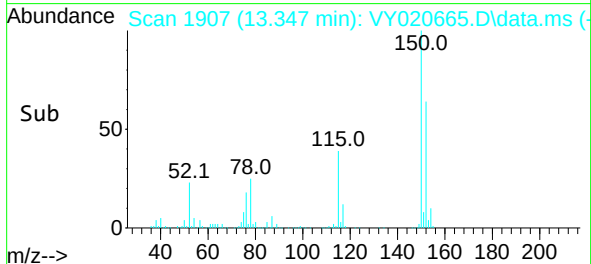
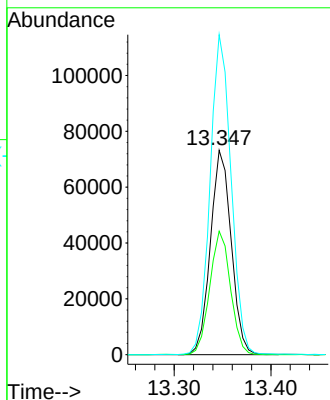
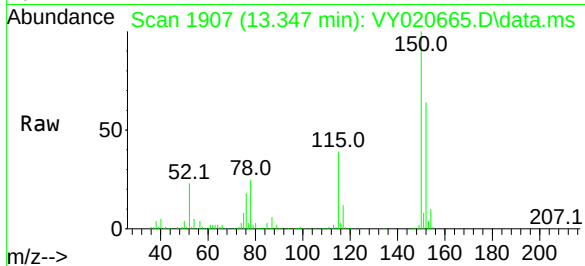




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.347 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY020665.D  
 Acq: 20 Dec 2024 11:24

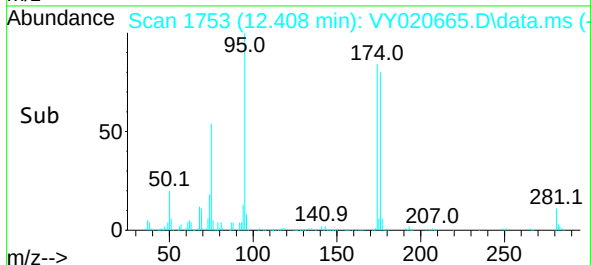
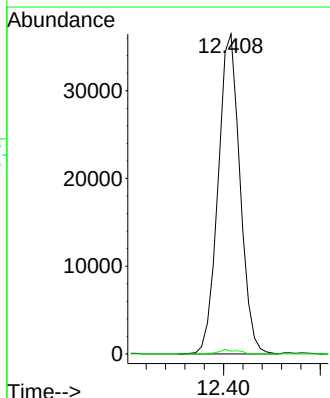
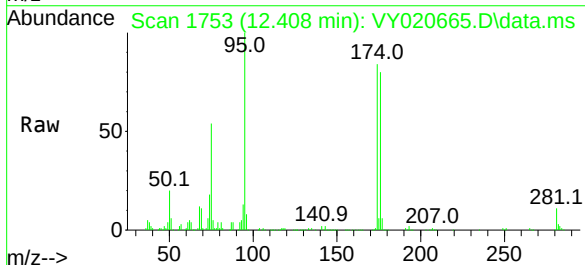
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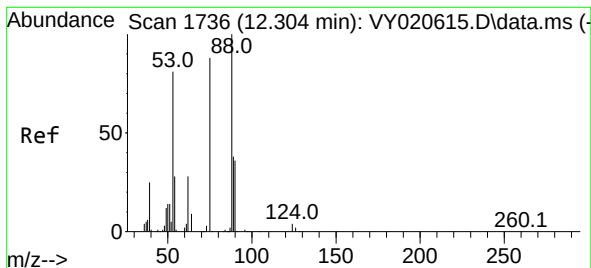
Tgt Ion:152 Resp: 109647  
 Ion Ratio Lower Upper  
 152 100  
 115 60.0 30.2 90.6  
 150 158.3 0.0 355.4



#76  
 1,2,3-Trichloropropane  
 Concen: 50.202 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. -0.146 min  
 Lab File: VY020665.D  
 Acq: 20 Dec 2024 11:24

Tgt Ion: 75 Resp: 57181  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 105.376 ug/l  
 RT: 12.408 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY020665.D  
 Acq: 20 Dec 2024 11:24

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1220SBL01

Tgt Ion: 75 Resp: 57181  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 75.4 113.2#  
 89 0.1 37.0 55.4#

