

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121824\  
 Data File : VY020637.D  
 Acq On : 18 Dec 2024 15:41  
 Operator : SY/MD  
 Sample : P5277-02  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-2A

Quant Time: Dec 19 02:49:45 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

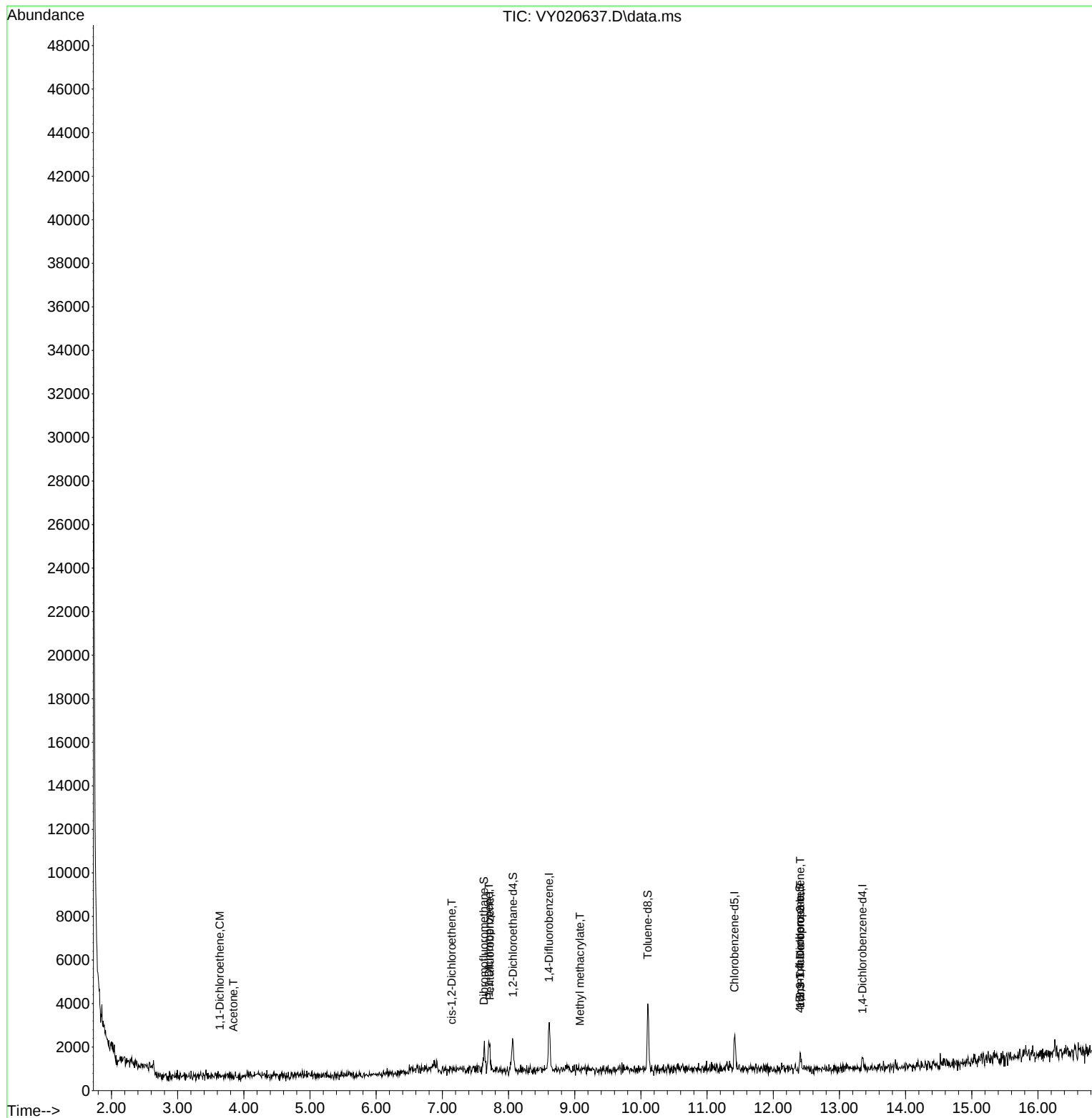
| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) Pentafluorobenzene         | 7.720  | 168   | 1353     | 50.000   | ug/l        | # 0.01   |
| 34) 1,4-Difluorobenzene       | 8.610  | 114   | 2390     | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 1242     | 50.000   | ug/l        | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.347 | 152   | 261      | 50.000   | ug/l        | # 0.00   |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 1278     | 86.245   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 172.500%# |          |
| 35) Dibromofluoromethane      | 7.628  | 113   | 897      | 53.253   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 106.500%  |          |
| 50) Toluene-d8                | 10.103 | 98    | 2424     | 41.115   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 82.220%   |          |
| 62) 4-Bromofluorobenzene      | 12.402 | 95    | 267      | 11.577   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery | = 23.160%#  |          |
| Target Compounds              |        |       |          |          |             |          |
|                               |        |       |          |          | Qvalue      |          |
| 12) 1,1-Dichloroethene        | 3.635  | 96    | 24       | 1.415    | ug/l #      | 1        |
| 16) Acetone                   | 3.842  | 43    | 22       | 1.064    | ug/l #      | 43       |
| 27) cis-1,2-Dichloroethene    | 7.140  | 96    | 28       | 1.279    | ug/l #      | 1        |
| 36) 1,1-Dichloropropene       | 7.701  | 75    | 91       | 2.963    | ug/l #      | 42       |
| 48) Methyl methacrylate       | 9.079  | 41    | 20       | 1.538    | ug/l #      | 14       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 65       | 23.974   | ug/l #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 65       | 50.322   | ug/l #      | 12       |
| -----                         |        |       |          |          |             |          |

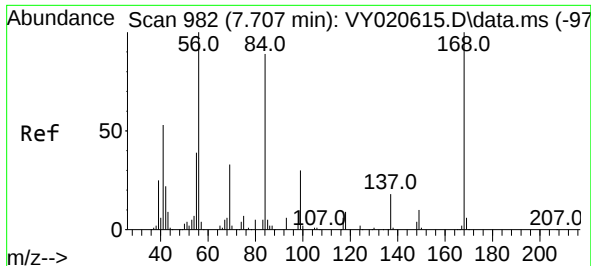
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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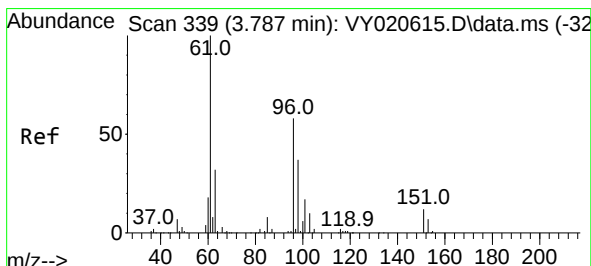
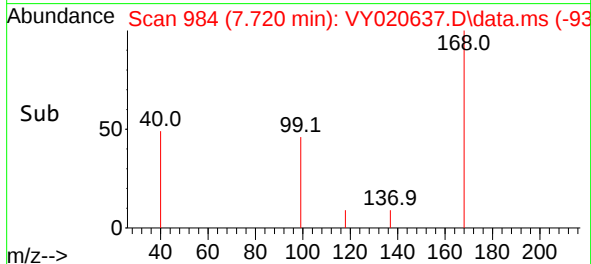
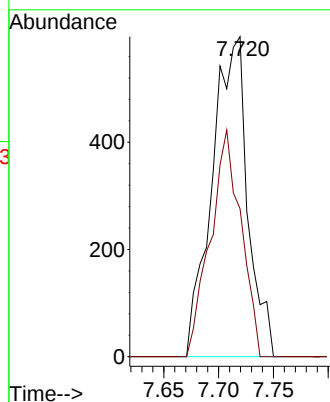
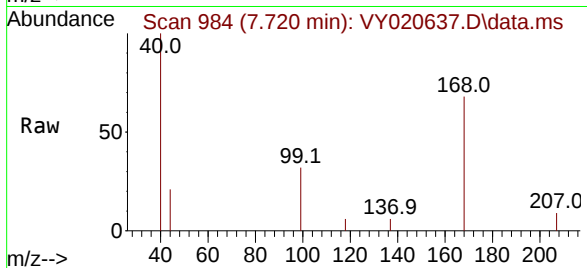




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.720 min Scan# 91  
Delta R.T. 0.013 min  
Lab File: VY020637.D  
Acq: 18 Dec 2024 15:41

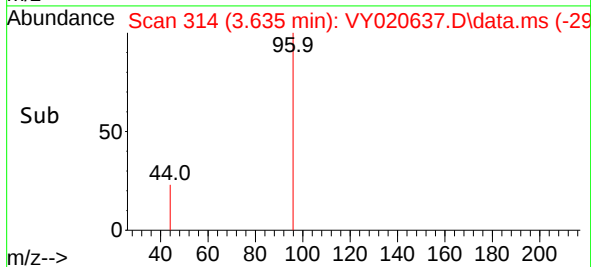
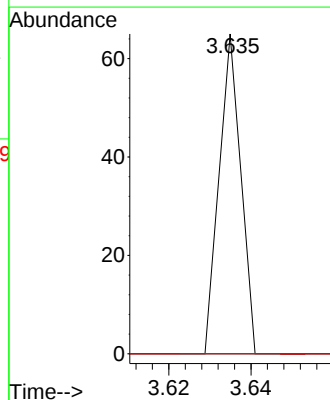
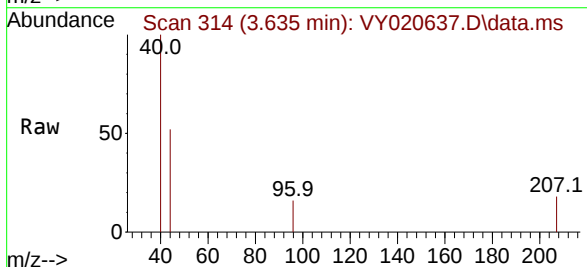
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2A

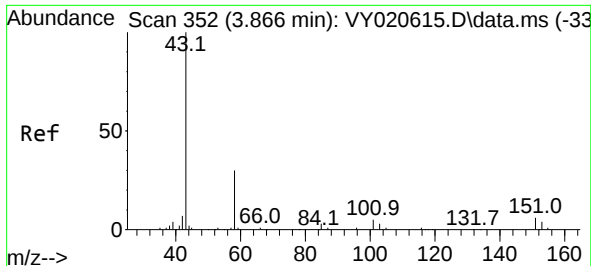
Tgt Ion:168 Resp: 1353  
Ion Ratio Lower Upper  
168 100  
99 46.2 47.0 70.6#



#12  
1,1-Dichloroethene  
Concen: 1.415 ug/l  
RT: 3.635 min Scan# 314  
Delta R.T. -0.152 min  
Lab File: VY020637.D  
Acq: 18 Dec 2024 15:41

Tgt Ion: 96 Resp: 24  
Ion Ratio Lower Upper  
96 100  
61 0.0 136.9 205.3#  
98 0.0 50.2 75.4#

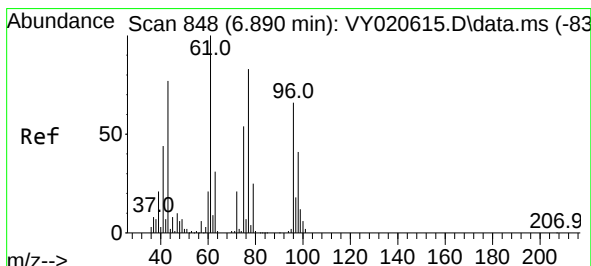
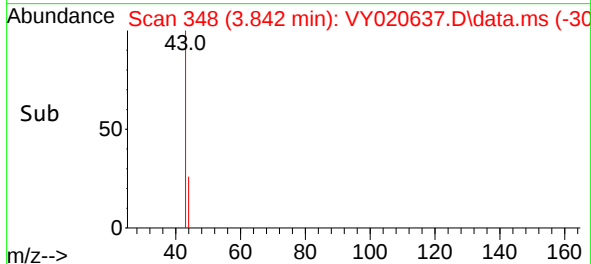
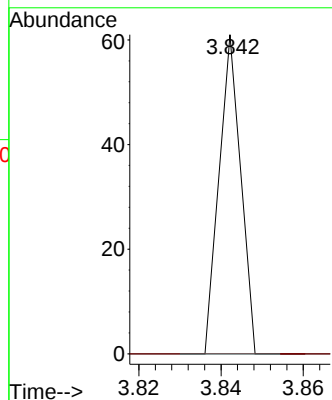
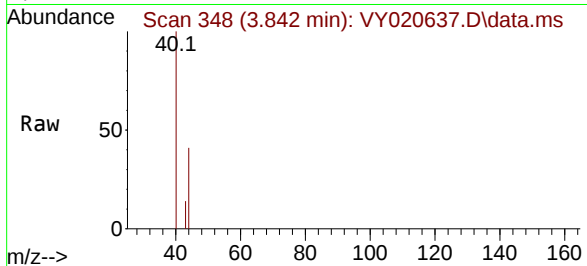




#16  
Acetone  
Concen: 1.064 ug/l  
RT: 3.842 min Scan# 34  
Delta R.T. -0.024 min  
Lab File: VY020637.D  
Acq: 18 Dec 2024 15:41

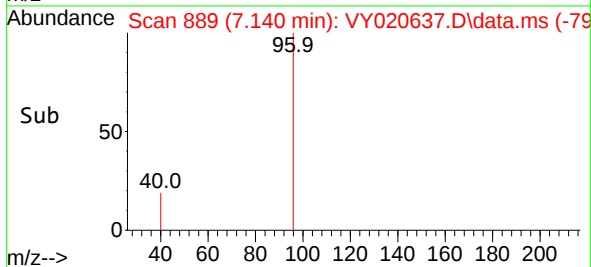
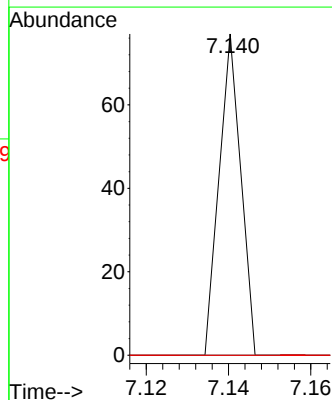
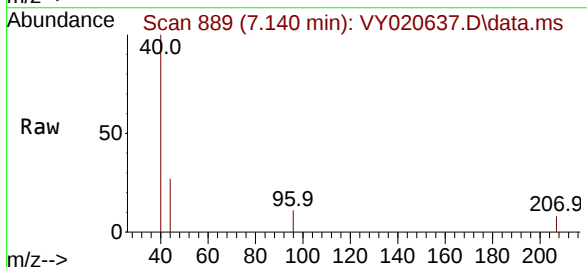
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2A

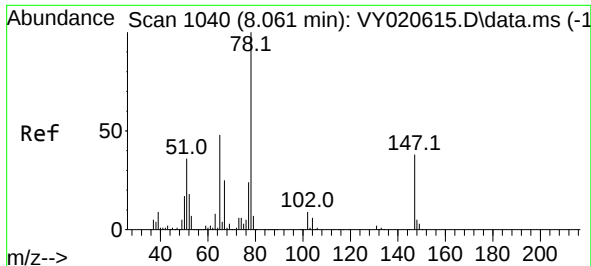
Tgt Ion: 43 Resp: 22  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.0 37.6#



#27  
cis-1,2-Dichloroethene  
Concen: 1.279 ug/l  
RT: 7.140 min Scan# 889  
Delta R.T. 0.250 min  
Lab File: VY020637.D  
Acq: 18 Dec 2024 15:41

Tgt Ion: 96 Resp: 28  
Ion Ratio Lower Upper  
96 100  
61 0.0 0.0 306.2  
98 0.0 0.0 127.2





#33

1,2-Dichloroethane-d4

Concen: 86.245 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY020637.D

Acq: 18 Dec 2024 15:41

Instrument :

MSVOA\_Y

ClientSampleId :

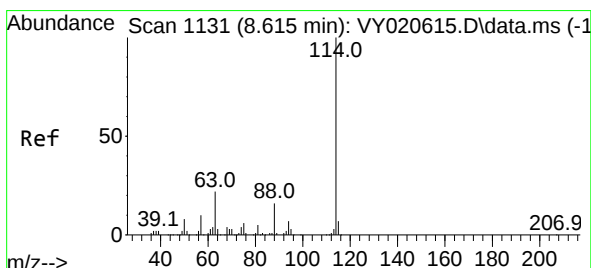
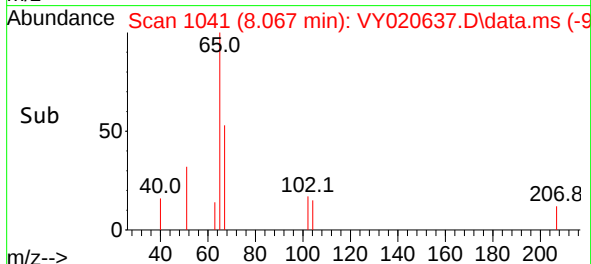
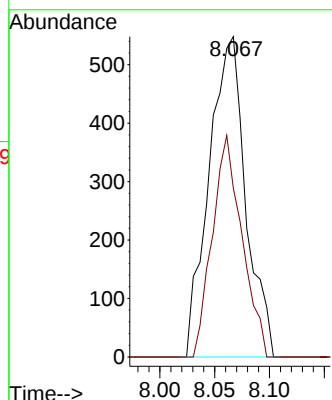
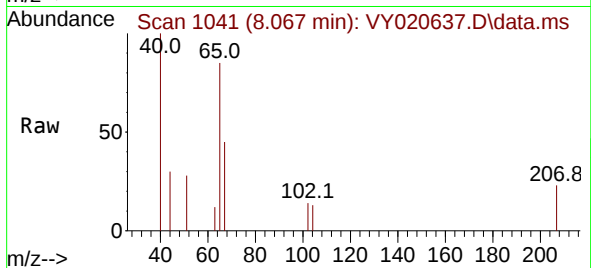
COMP-2A

Tgt Ion: 65 Resp: 1278

Ion Ratio Lower Upper

65 100

67 55.7 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY020637.D

Acq: 18 Dec 2024 15:41

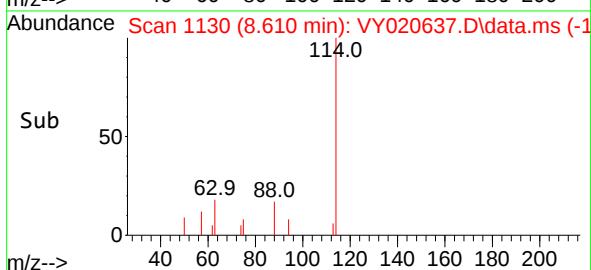
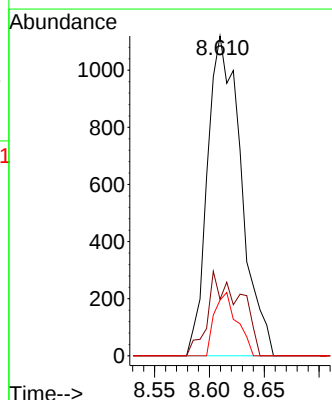
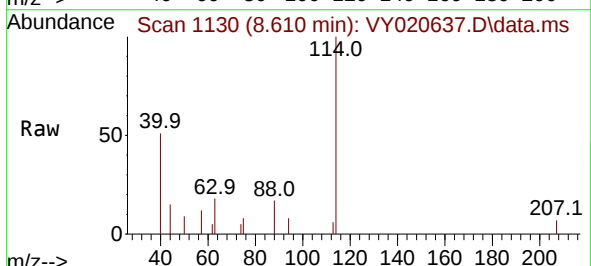
Tgt Ion: 114 Resp: 2390

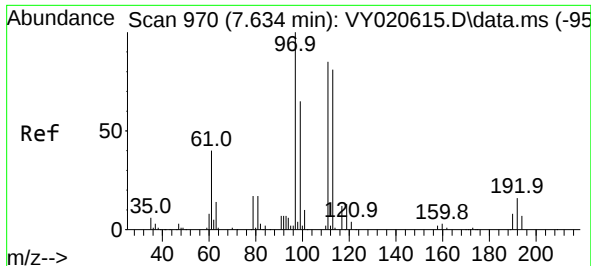
Ion Ratio Lower Upper

114 100

63 17.7 0.0 44.0

88 17.4 0.0 32.8

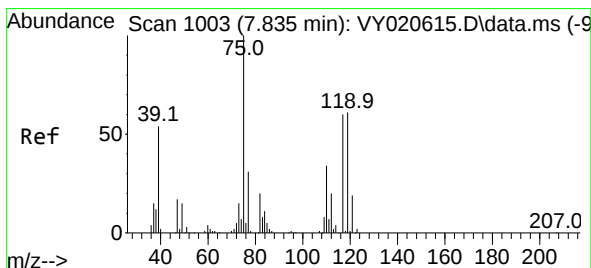
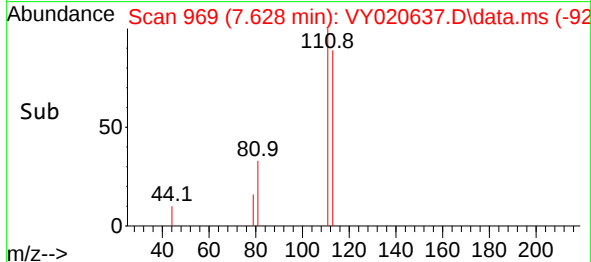
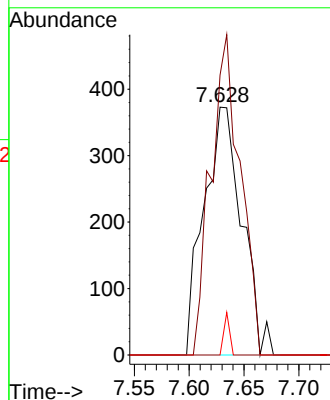
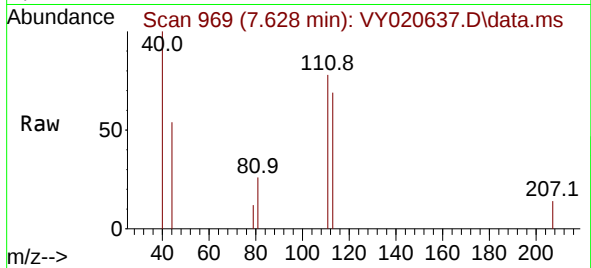




#35  
Dibromofluoromethane  
Concen: 53.253 ug/l  
RT: 7.628 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY020637.D  
Acq: 18 Dec 2024 15:41

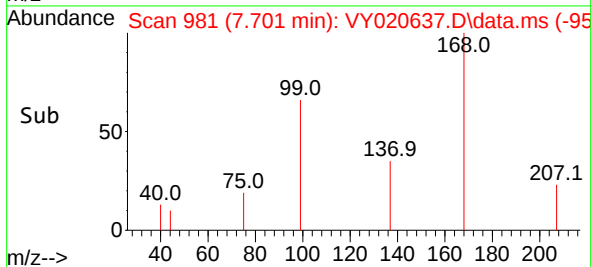
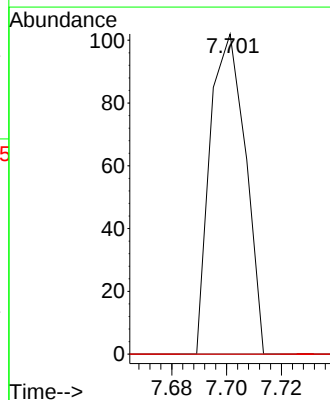
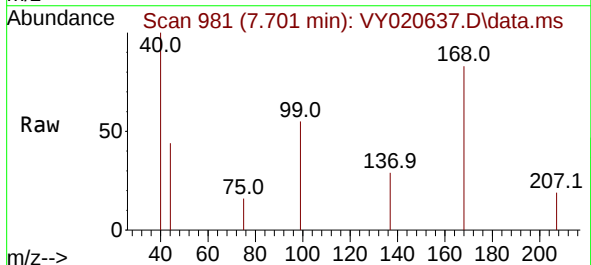
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2A

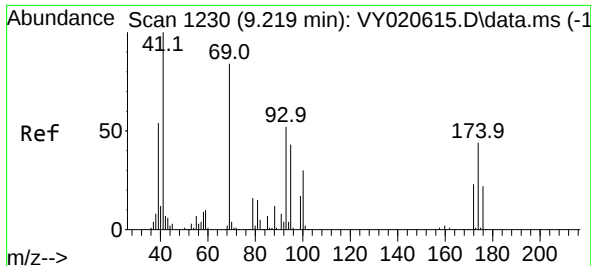
Tgt Ion:113 Resp: 897  
Ion Ratio Lower Upper  
113 100  
111 100.7 82.9 124.3  
192 2.6 15.7 23.5#



#36  
1,1-Dichloropropene  
Concen: 2.963 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.134 min  
Lab File: VY020637.D  
Acq: 18 Dec 2024 15:41

Tgt Ion: 75 Resp: 91  
Ion Ratio Lower Upper  
75 100  
110 0.0 16.8 50.4#  
77 0.0 25.0 37.6#





#48

Methyl methacrylate

Concen: 1.538 ug/l

RT: 9.079 min Scan# 11

Delta R.T. -0.140 min

Lab File: VY020637.D

Acq: 18 Dec 2024 15:41

Instrument :

MSVOA\_Y

ClientSampleId :

COMP-2A

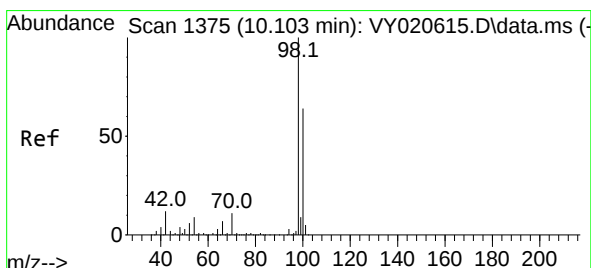
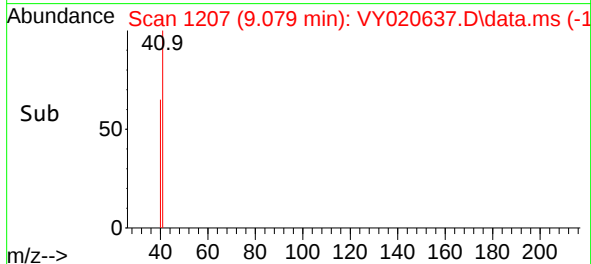
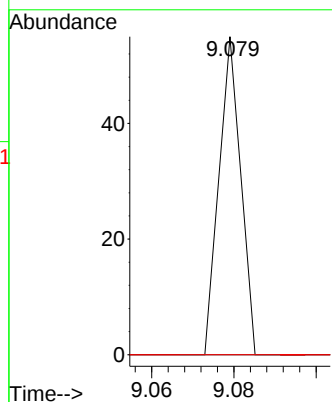
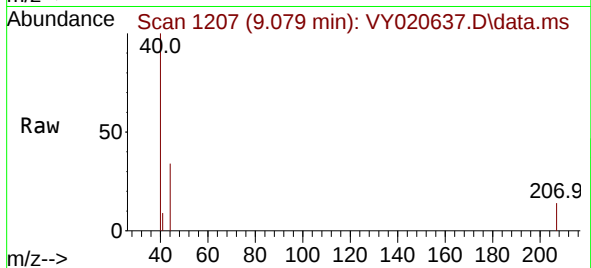
Tgt Ion: 41 Resp: 20

Ion Ratio Lower Upper

41 100

69 0.0 67.2 100.8#

39 0.0 42.2 63.4#



#50

Toluene-d8

Concen: 41.115 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020637.D

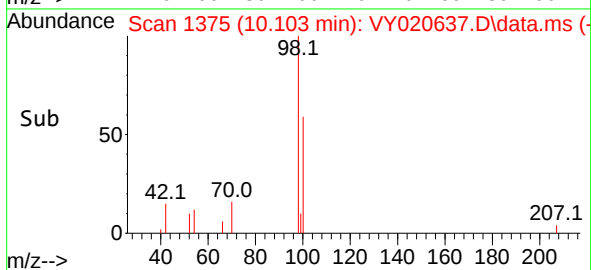
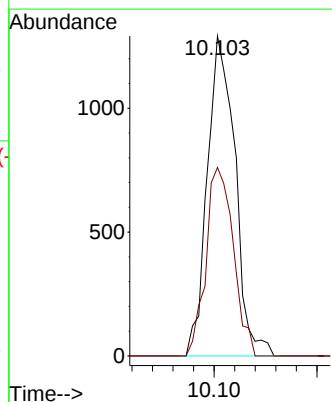
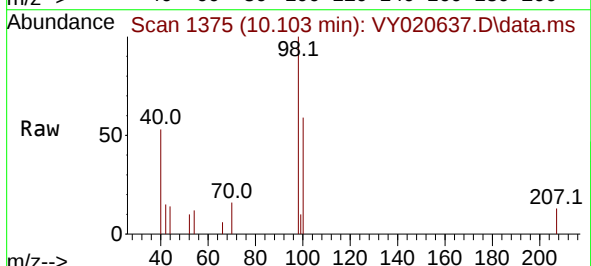
Acq: 18 Dec 2024 15:41

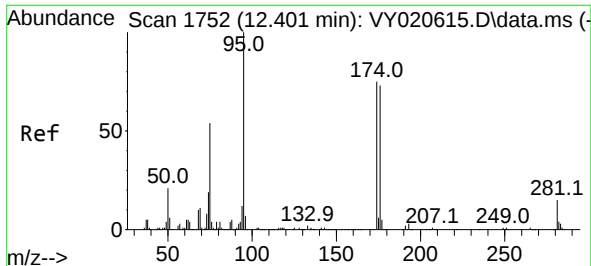
Tgt Ion: 98 Resp: 2424

Ion Ratio Lower Upper

98 100

100 58.0 52.1 78.1

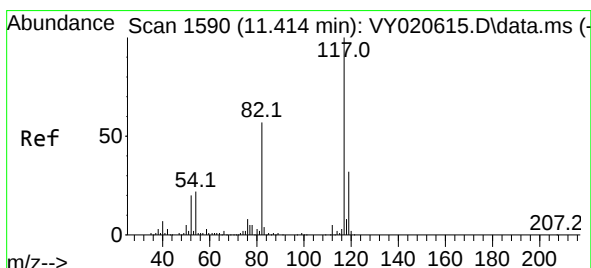
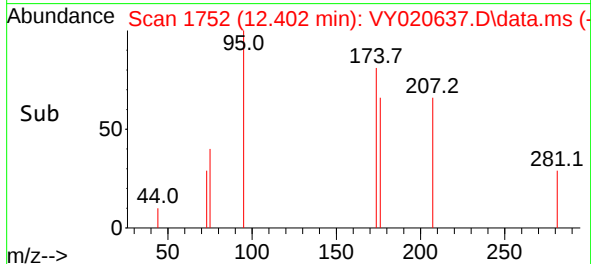
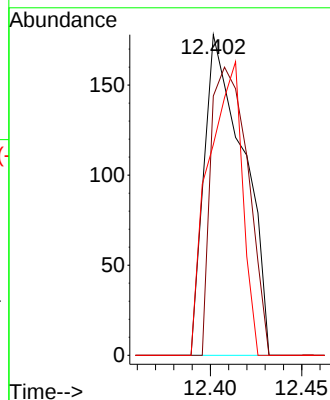
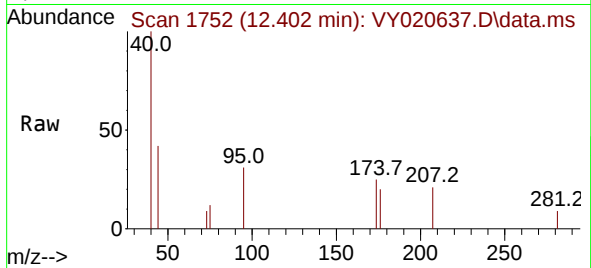




#62  
4-Bromofluorobenzene  
Concen: 11.577 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY020637.D  
Acq: 18 Dec 2024 15:41

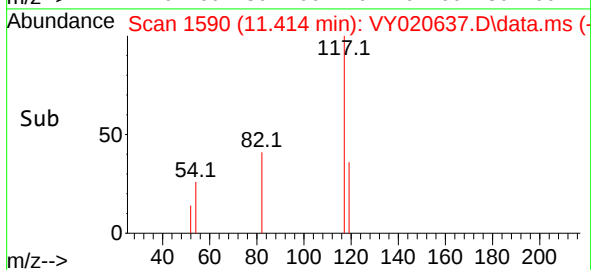
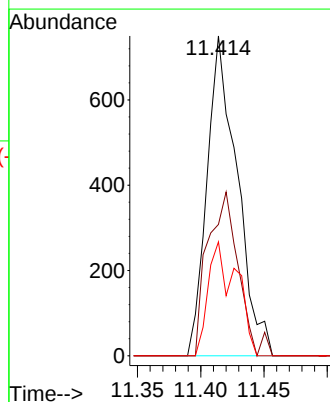
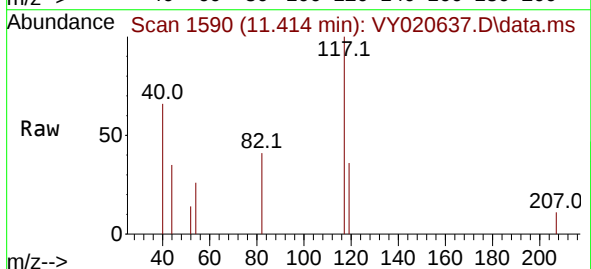
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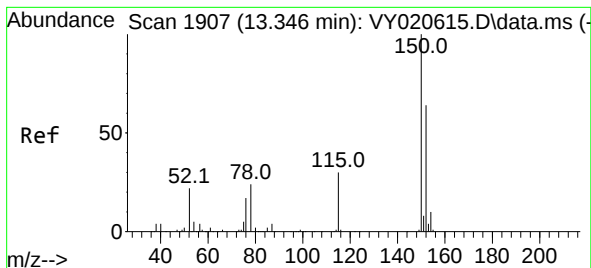
Tgt Ion: 95 Resp: 267  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 161.8  
176 78.7 0.0 156.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VY020637.D  
Acq: 18 Dec 2024 15:41

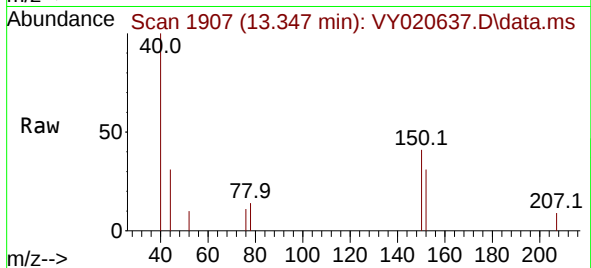
Tgt Ion: 117 Resp: 1242  
Ion Ratio Lower Upper  
117 100  
82 41.1 45.8 68.6#  
119 35.6 25.3 37.9



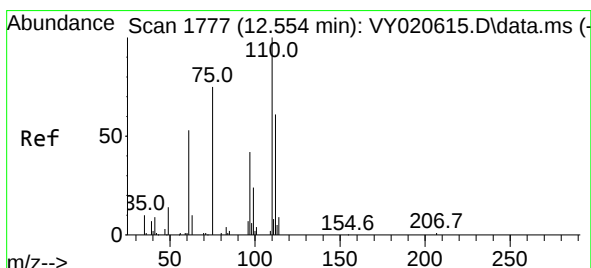
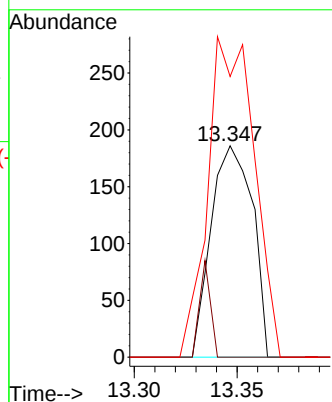
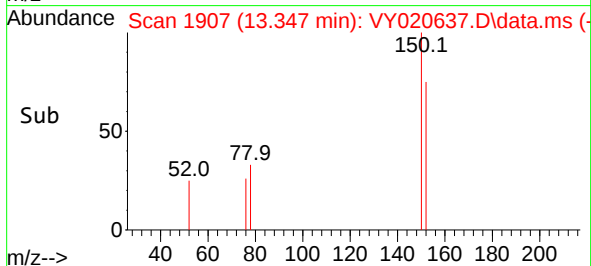


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY020637.D  
Acq: 18 Dec 2024 15:41

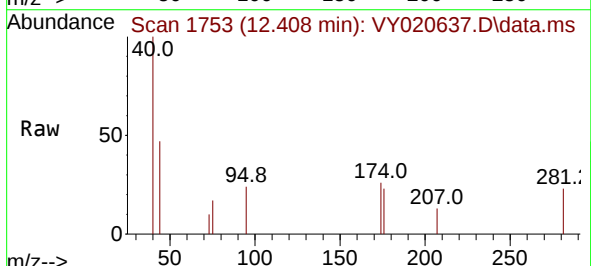
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2A



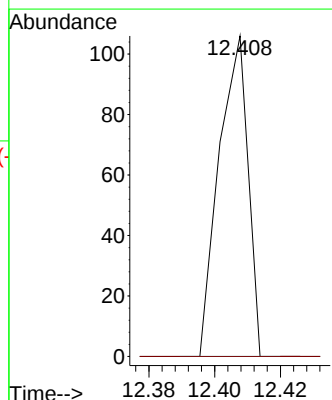
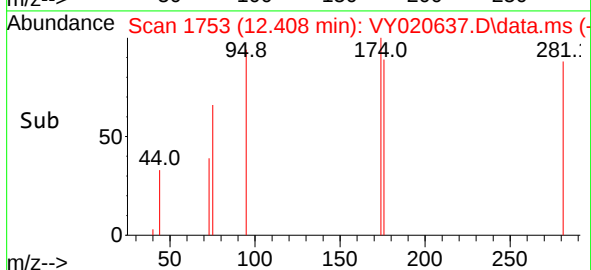
Tgt Ion:152 Resp: 261  
Ion Ratio Lower Upper  
152 100  
115 11.9 30.2 90.6#  
150 169.3 0.0 355.4

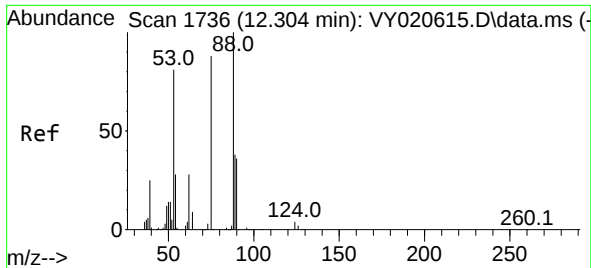


#76  
1,2,3-Trichloropropane  
Concen: 23.974 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.146 min  
Lab File: VY020637.D  
Acq: 18 Dec 2024 15:41



Tgt Ion: 75 Resp: 65  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 50.322 ug/l  
 RT: 12.408 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY020637.D  
 Acq: 18 Dec 2024 15:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-2A

Tgt Ion: 75 Resp: 65  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 75.4 113.2#  
 89 0.0 37.0 55.4#

