

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052322\  
 Data File : VY009040.D  
 Acq On : 24 May 2022 05:08  
 Operator : KP/MD  
 Sample : N2948-23  
 Misc : 5.28g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P037-SS001-0612-01

Quant Time: May 24 07:48:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

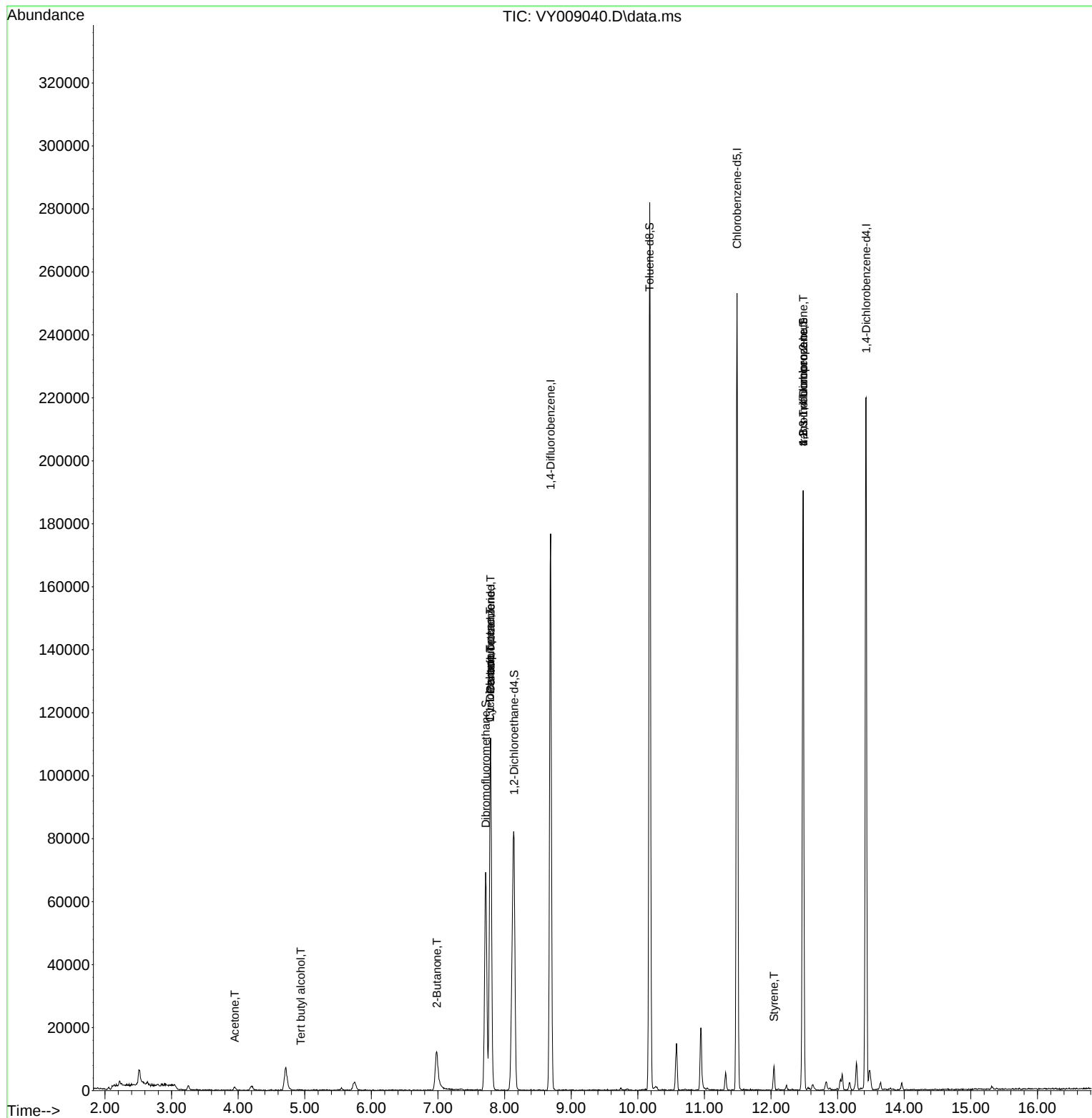
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 83616    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 145838   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 130323   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 53962    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 49796    | 57.865    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 115.720% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 45785    | 50.486    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 100.980% |          |
| 50) Toluene-d8                | 10.179 | 98    | 175402   | 52.427    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 104.860% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 48507    | 35.942    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 71.880%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.942  | 59    | 360      | 4.124     | ug/l #     | 77       |
| 16) Acetone                   | 3.948  | 43    | 1596     | 8.910     | ug/l #     | 73       |
| 20) Methylene Chloride        | 4.722  | 84    | 4991     | Below Cal | #          | 73       |
| 25) 2-Butanone                | 6.984  | 43    | 704      | 2.200     | ug/l #     | 54       |
| 31) Cyclohexane               | 7.783  | 56    | 2086     | 1.239     | ug/l #     | 29       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 7395     | 4.792     | ug/l #     | 53       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 7864     | 4.871     | ug/l #     | 16       |
| 70) Styrene                   | 12.044 | 104   | 3672     | 1.051     | ug/l #     | 84       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 28386    | 48.985    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 28386    | 100.541   | ug/l #     | 7        |
| -----                         |        |       |          |           |            |          |

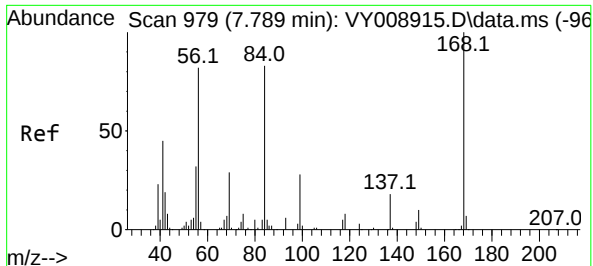
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052322\  
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Sample : N2948-23  
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MSVOA\_Y  
ClientSampleId :  
P037-SS001-0612-01

Quant Time: May 24 07:48:56 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 20 23:50:52 2022  
Response via : Initial Calibration

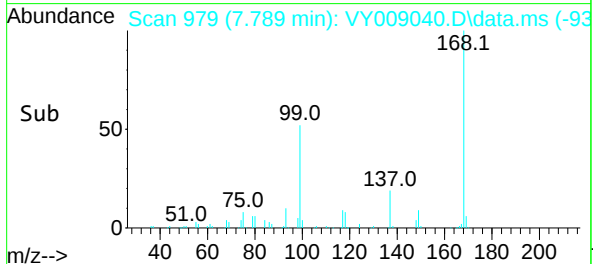
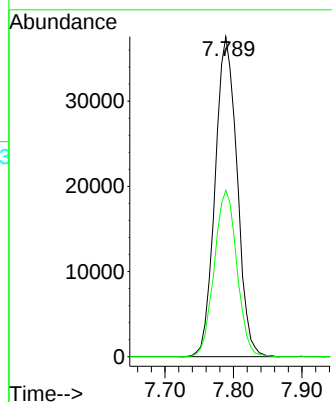
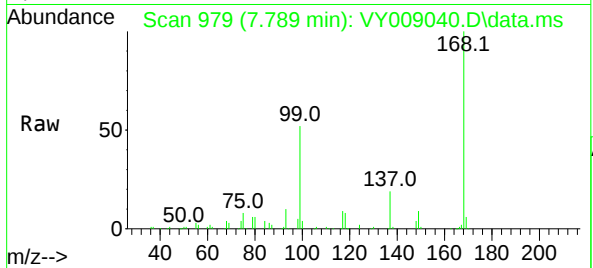




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

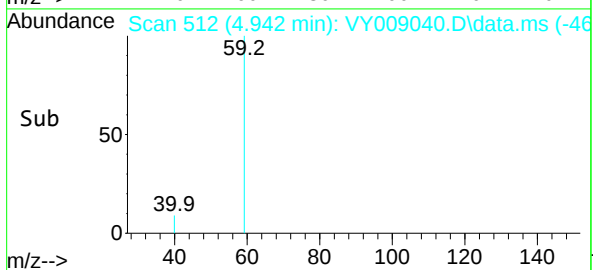
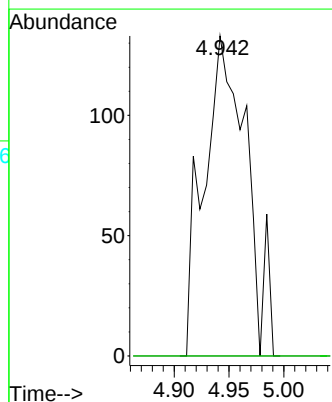
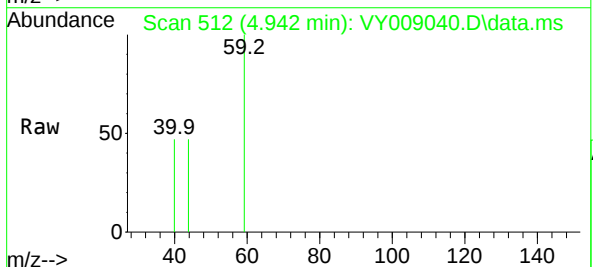
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P037-SS001-0612-01

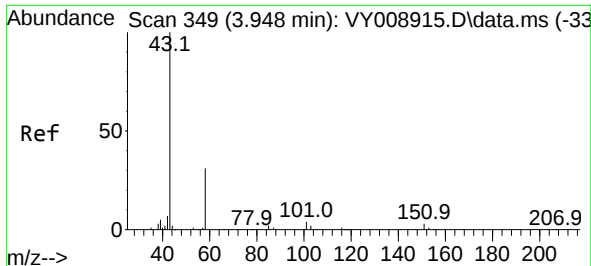
Tgt Ion:168 Resp: 83616  
Ion Ratio Lower Upper  
168 100  
99 52.0 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 4.124 ug/l  
RT: 4.942 min Scan# 512  
Delta R.T. -0.006 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

Tgt Ion: 59 Resp: 360  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

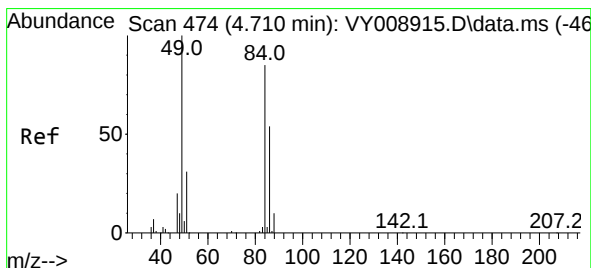
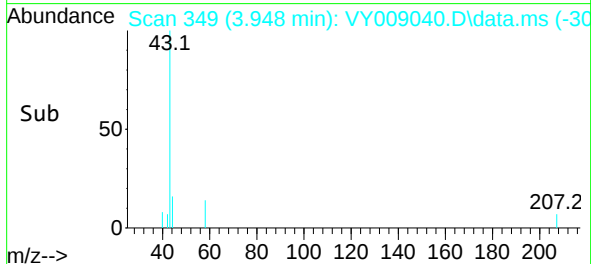
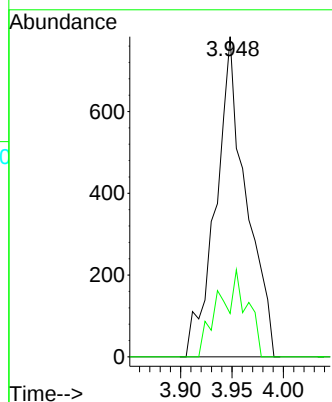
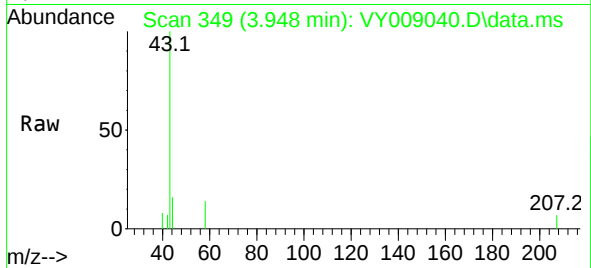




#16  
Acetone  
Concen: 8.910 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

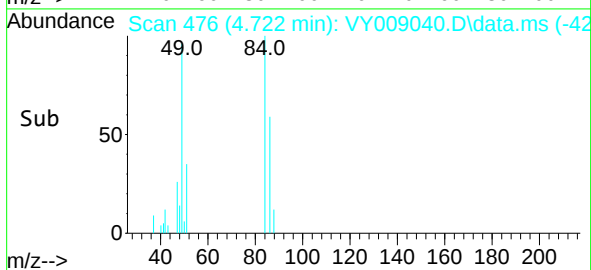
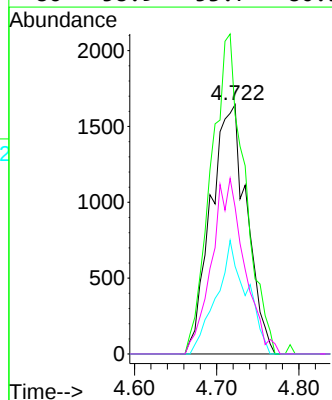
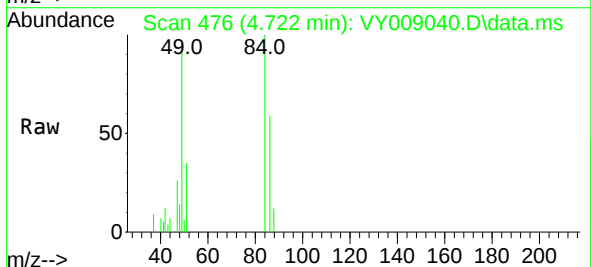
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P037-SS001-0612-01

Tgt Ion: 43 Resp: 1596  
Ion Ratio Lower Upper  
43 100  
58 13.5 22.0 33.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. 0.012 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

Tgt Ion: 84 Resp: 4991  
Ion Ratio Lower Upper  
84 100  
49 95.9 114.4 171.6#  
51 35.1 35.3 52.9#  
86 58.9 53.7 80.5

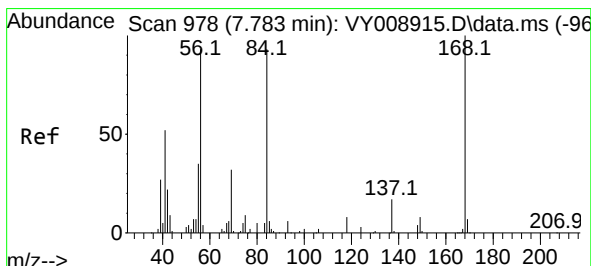
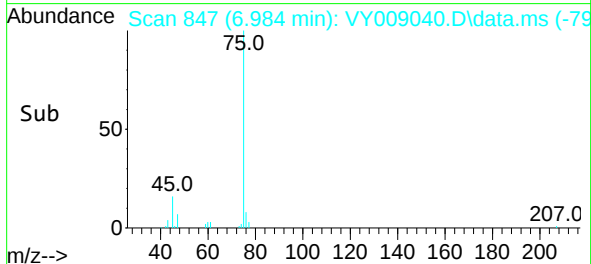
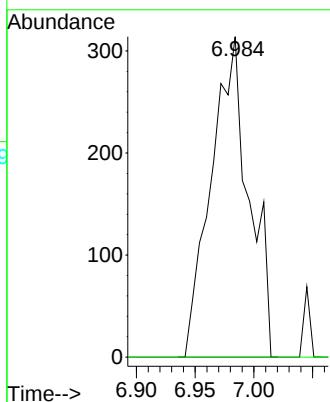
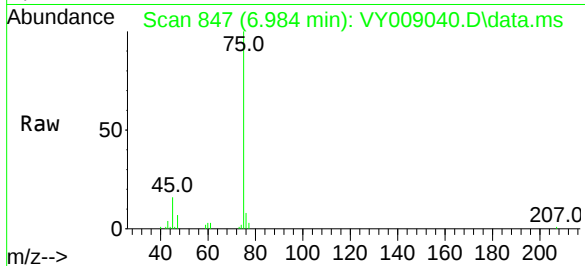




#25  
2-Butanone  
Concen: 2.200 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

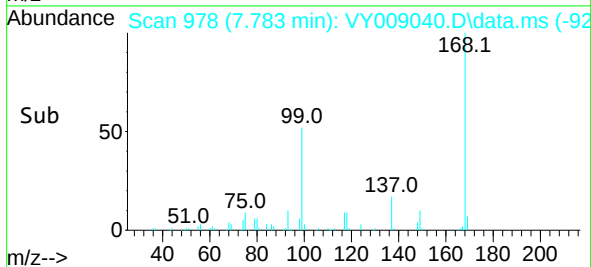
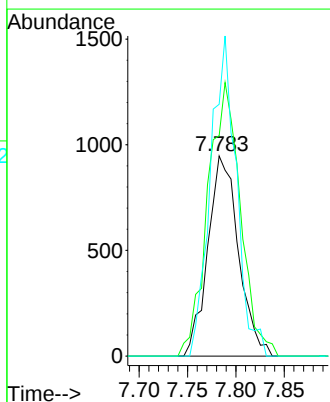
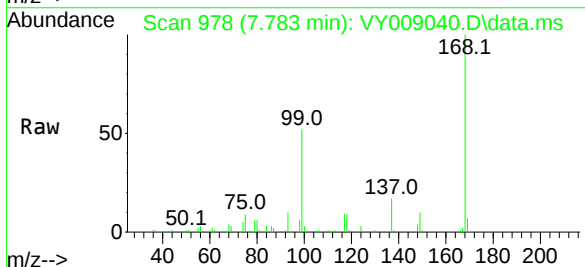
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P037-SS001-0612-01

Tgt Ion: 43 Resp: 704  
Ion Ratio Lower Upper  
43 100  
72 0.0 17.7 26.5#



#31  
Cyclohexane  
Concen: 1.239 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.000 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

Tgt Ion: 56 Resp: 2086  
Ion Ratio Lower Upper  
56 100  
69 110.1 26.7 40.1#  
84 125.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.865 ug/l

RT: 8.142 min Scan# 1107

Delta R.T. -0.001 min

Lab File: VY009040.D

Acq: 24 May 2022 05:08

Instrument :

MSVOA\_Y

ClientSampleId :

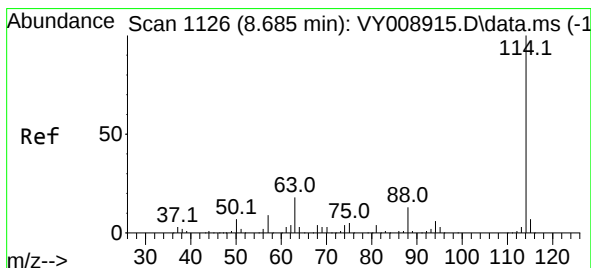
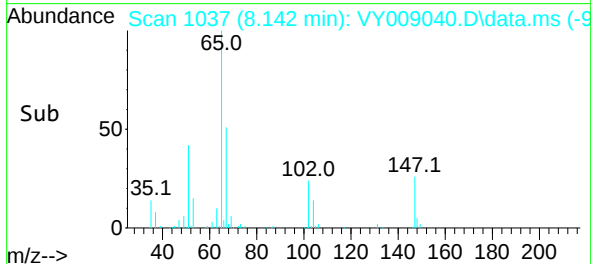
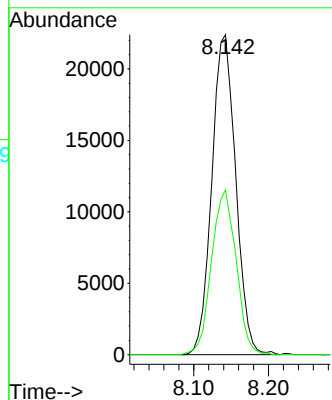
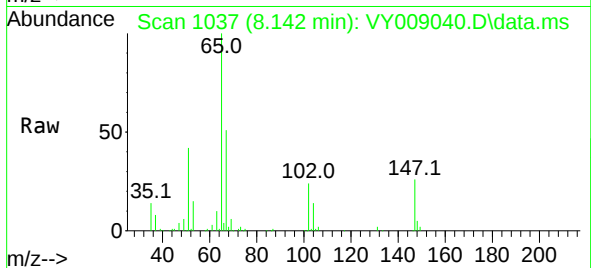
P037-SS001-0612-01

Tgt Ion: 65 Resp: 49796

Ion Ratio Lower Upper

65 100

67 53.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009040.D

Acq: 24 May 2022 05:08

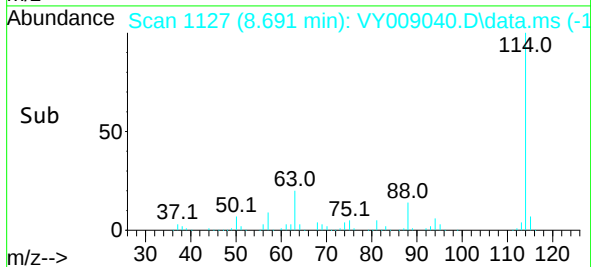
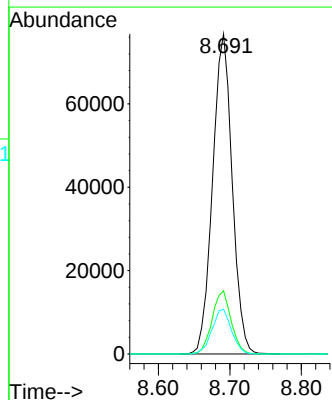
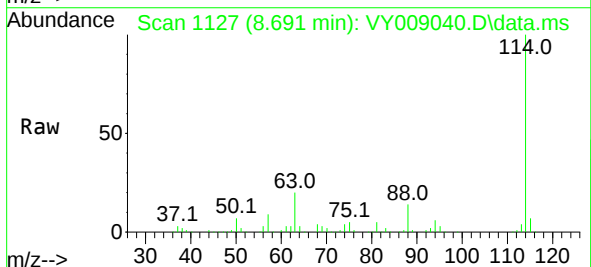
Tgt Ion: 114 Resp: 145838

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 14.0 0.0 31.8

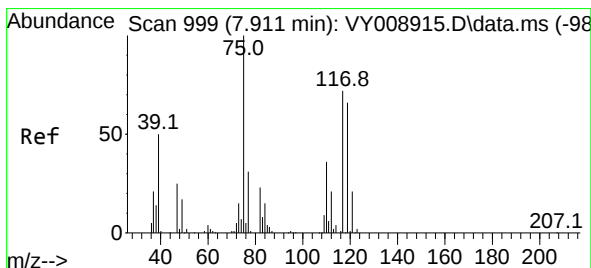
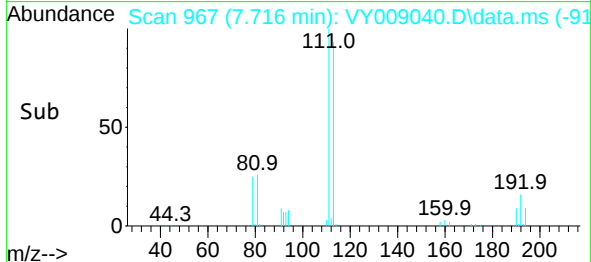
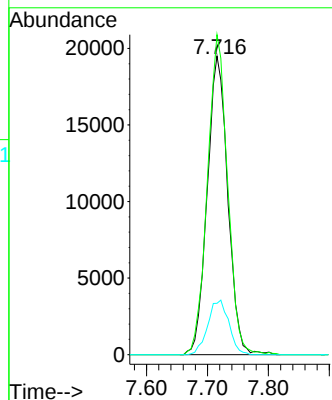
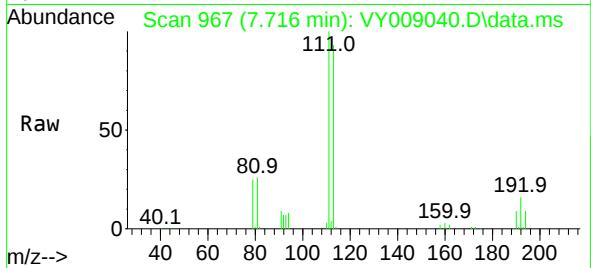




#35  
Dibromofluoromethane  
Concen: 50.486 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

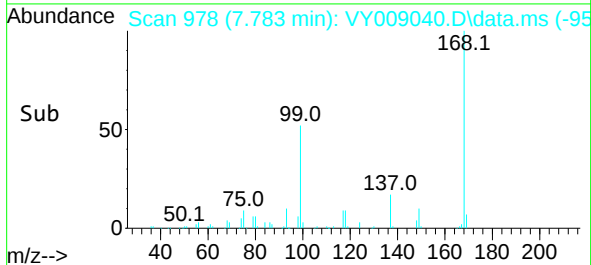
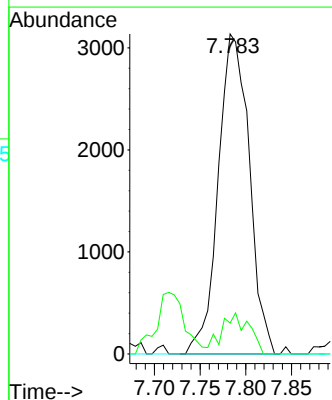
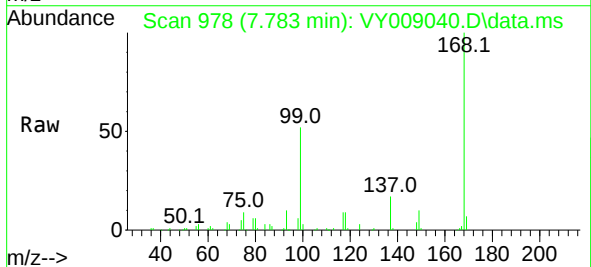
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ClientSampleId :  
P037-SS001-0612-01

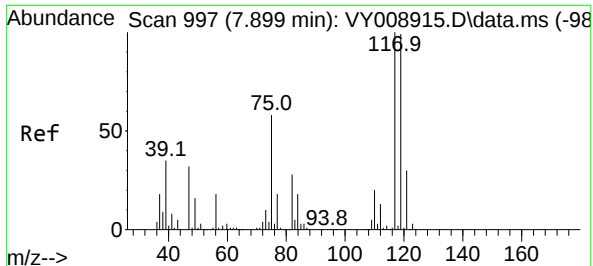
Tgt Ion:113 Resp: 45785  
Ion Ratio Lower Upper  
113 100  
111 104.9 82.6 124.0  
192 18.7 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.792 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

Tgt Ion: 75 Resp: 7395  
Ion Ratio Lower Upper  
75 100  
110 11.2 17.1 51.2#  
77 0.0 24.4 36.6#

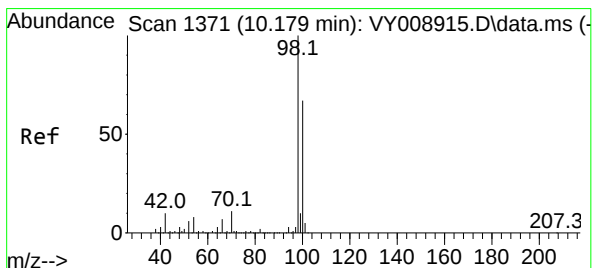
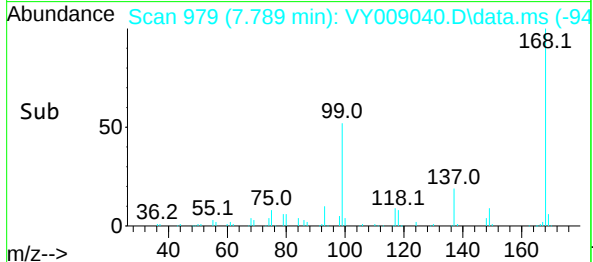
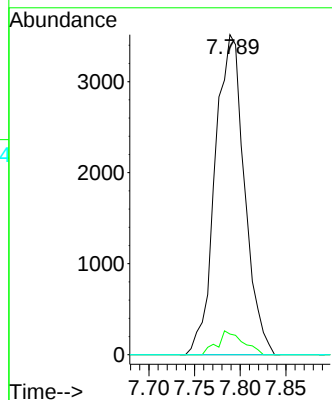
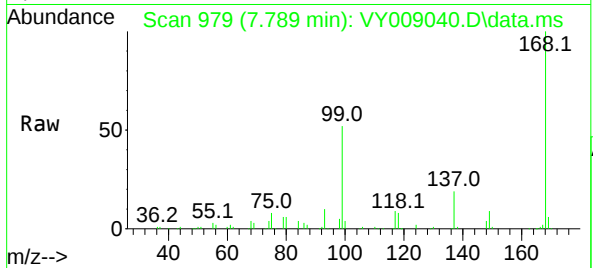




#38  
Carbon Tetrachloride  
Concen: 4.871 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

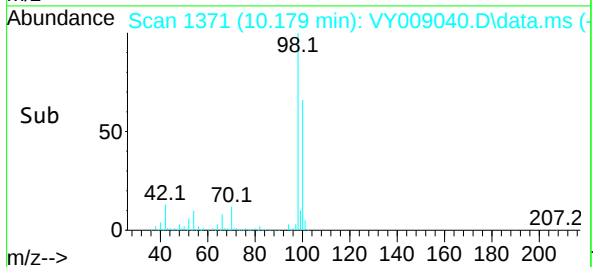
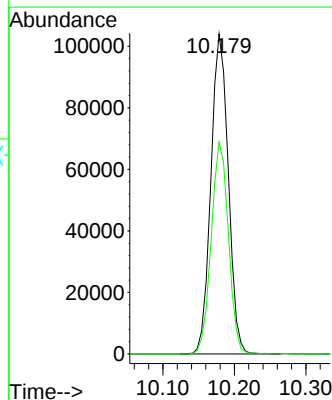
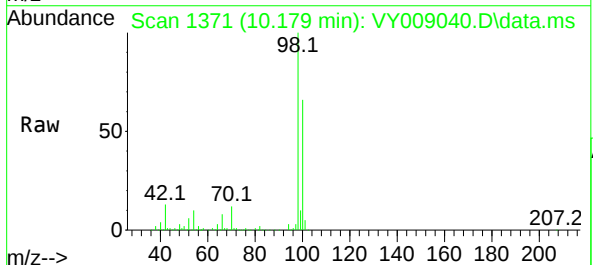
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P037-SS001-0612-01

Tgt Ion:117 Resp: 7864  
Ion Ratio Lower Upper  
117 100  
119 6.5 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 52.427 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

Tgt Ion: 98 Resp: 175402  
Ion Ratio Lower Upper  
98 100  
100 65.6 50.2 75.2

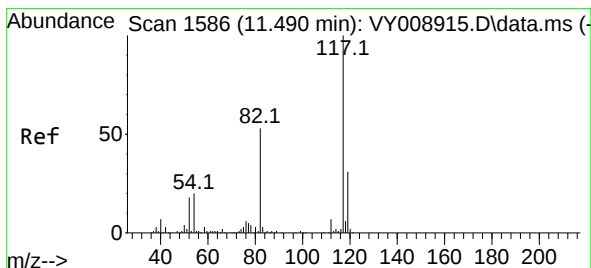
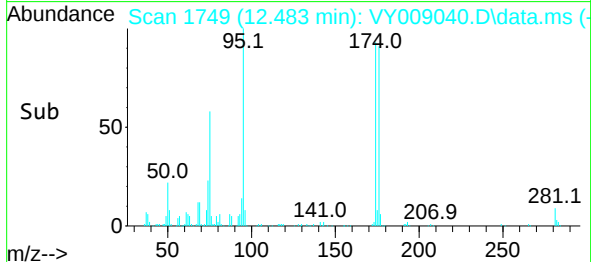
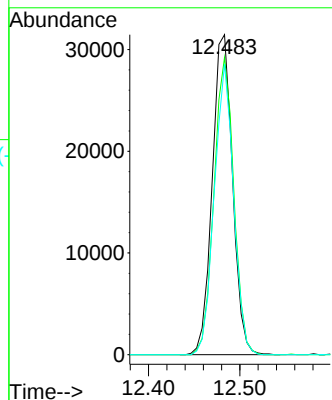
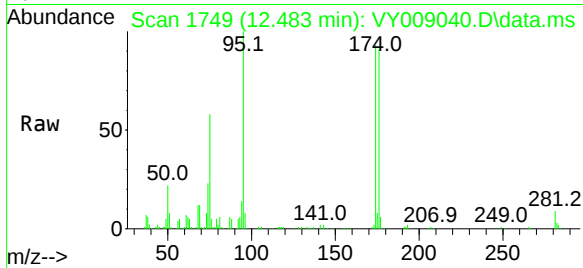




#62  
4-Bromofluorobenzene  
Concen: 35.942 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

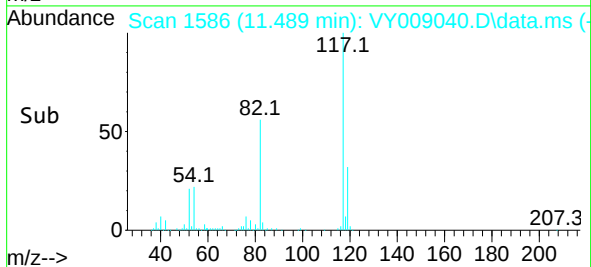
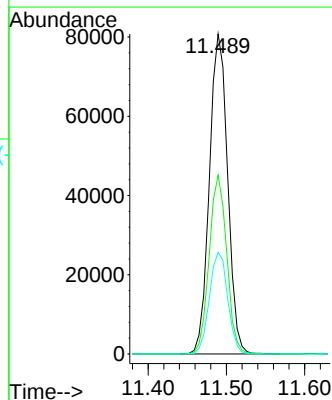
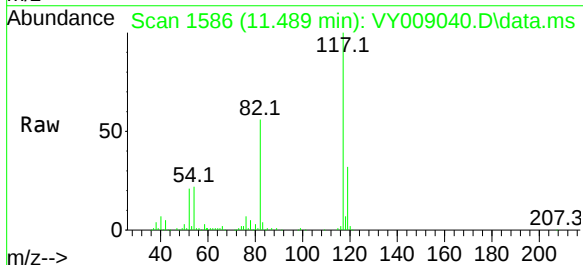
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P037-SS001-0612-01

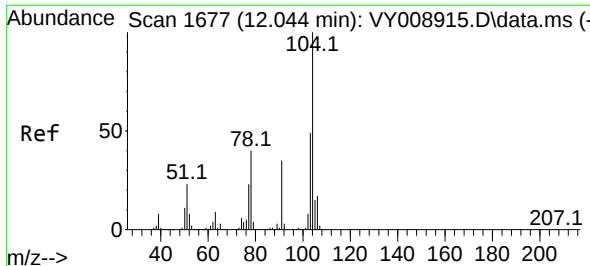
Tgt Ion: 95 Resp: 48507  
Ion Ratio Lower Upper  
95 100  
174 90.7 0.0 177.0  
176 86.2 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

Tgt Ion: 117 Resp: 130323  
Ion Ratio Lower Upper  
117 100  
82 55.9 43.0 64.4  
119 31.7 25.4 38.0

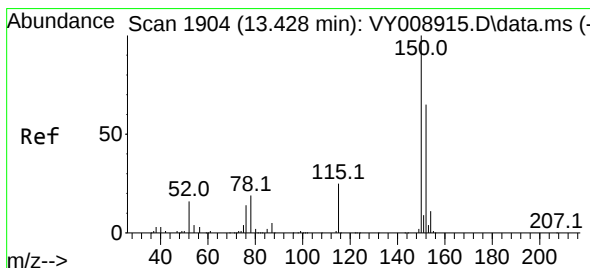
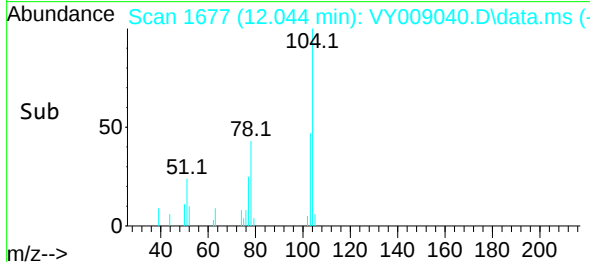
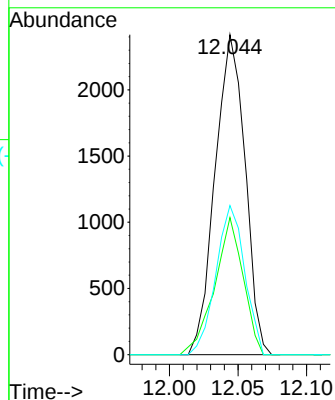
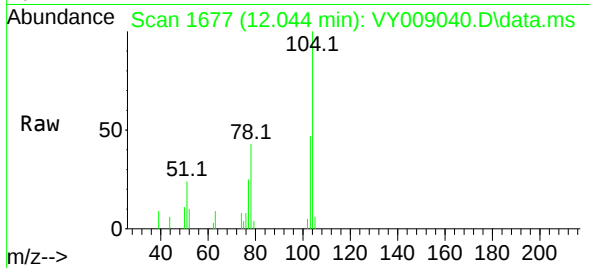




#70  
Styrene  
Concen: 1.051 ug/l  
RT: 12.044 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

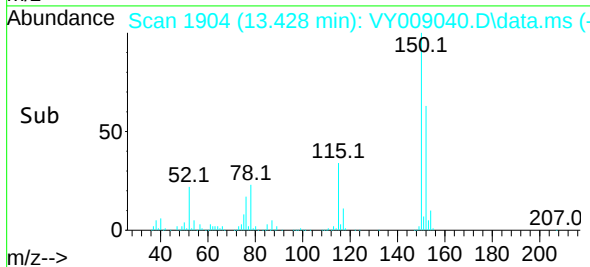
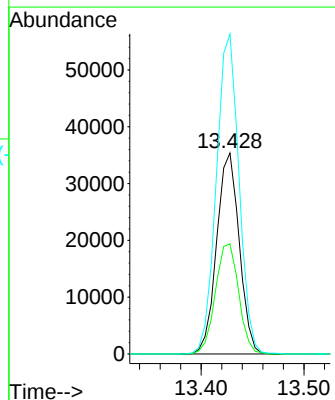
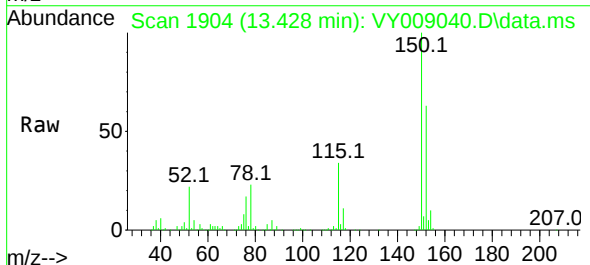
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P037-SS001-0612-01

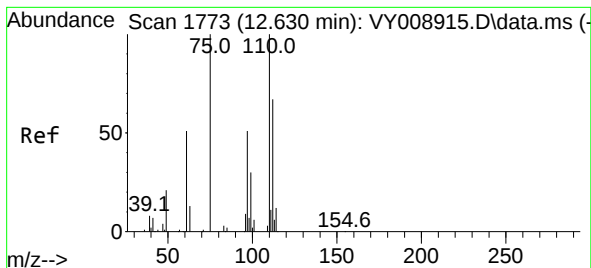
Tgt Ion:104 Resp: 3672  
Ion Ratio Lower Upper  
104 100  
78 40.8 42.4 63.6#  
103 44.8 44.4 66.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY009040.D  
Acq: 24 May 2022 05:08

Tgt Ion:152 Resp: 53962  
Ion Ratio Lower Upper  
152 100  
115 56.5 28.2 84.7  
150 159.3 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 48.985 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY009040.D

Acq: 24 May 2022 05:08

Instrument :

MSVOA\_Y

ClientSampleId :

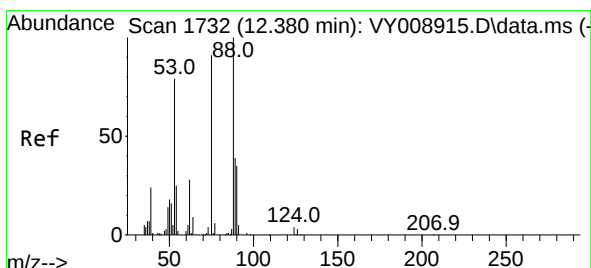
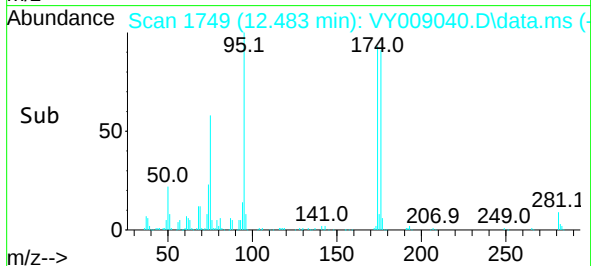
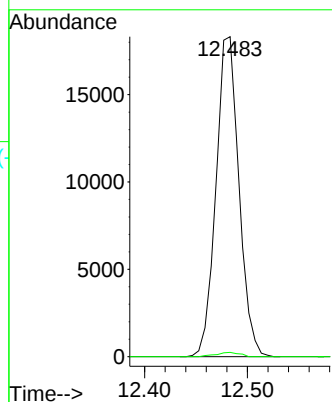
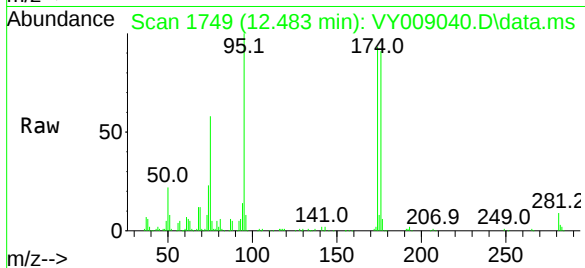
P037-SS001-0612-01

Tgt Ion: 75 Resp: 28386

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 100.541 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY009040.D

Acq: 24 May 2022 05:08

Tgt Ion: 75 Resp: 28386

Ion Ratio Lower Upper

75 100

53 0.2 85.3 127.9#

89 0.0 37.0 55.4#

