

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051922\  
 Data File : VY008896.D  
 Acq On : 20 May 2022 03:25  
 Operator : KP/MD  
 Sample : N2868-06  
 Misc : 5.26g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P017-SS002-0006-01

Quant Time: May 20 04:30:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 07:32:50 2022  
 Response via : Initial Calibration

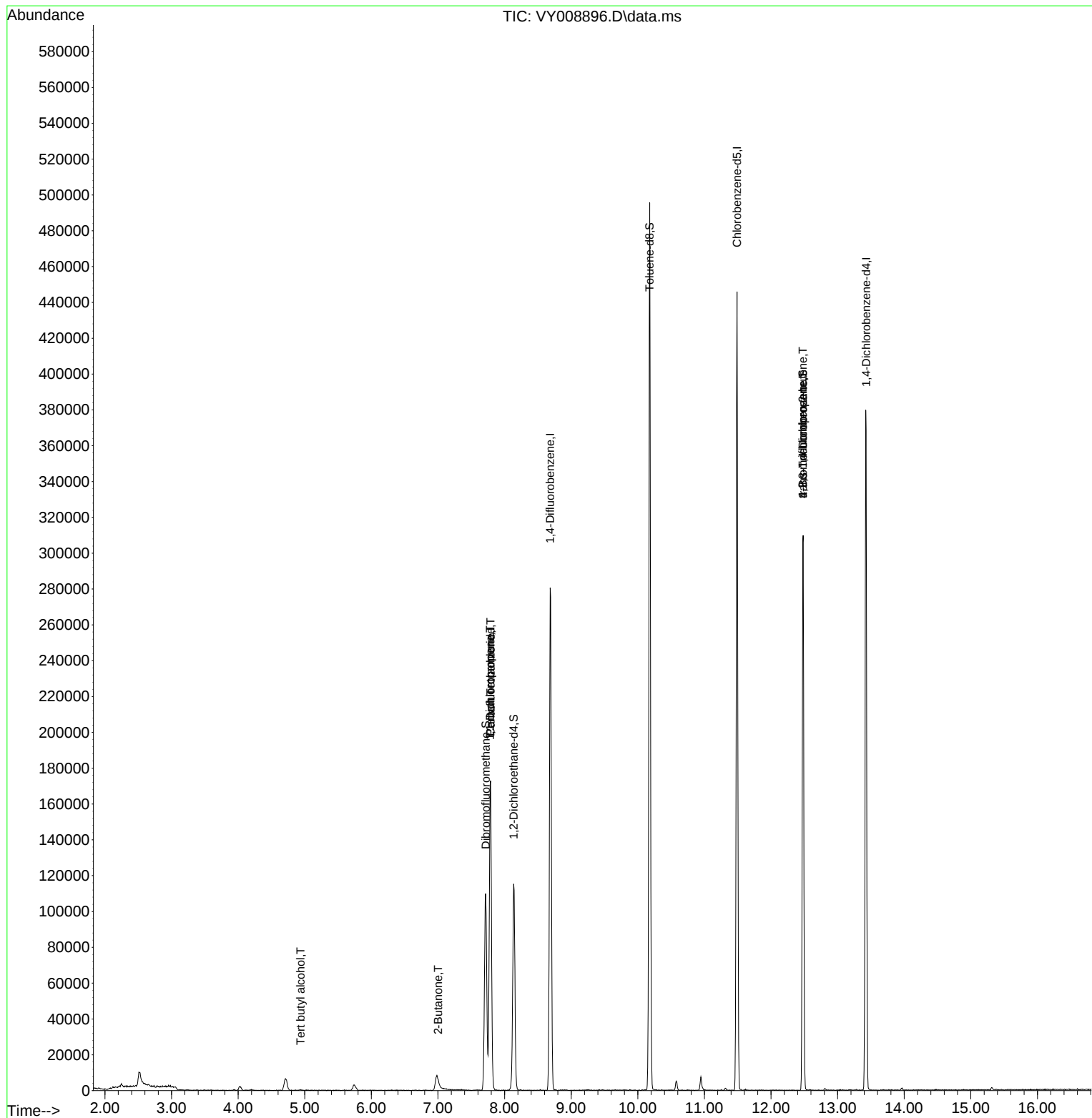
| Compound                      | R.T.   | QIon           | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------------|--------|----------|
| -----                         |        |                |          |             |        |          |
| Internal Standards            |        |                |          |             |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168            | 133228   | 50.000      | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114            | 238926   | 50.000      | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117            | 221861   | 50.000      | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152            | 92069    | 50.000      | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |             |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65             | 84880    | 68.675      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 50 - 163 | Recovery | = 137.360%  |        |          |
| 35) Dibromofluoromethane      | 7.716  | 113            | 76072    | 54.493      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 54 - 147 | Recovery | = 108.980%  |        |          |
| 50) Toluene-d8                | 10.179 | 98             | 301341   | 48.654      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 49 - 140 | Recovery | = 97.300%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95             | 86412    | 39.788      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 25 - 144 | Recovery | = 79.580%   |        |          |
| Target Compounds              |        |                |          |             |        |          |
|                               |        |                |          |             | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.906  | 85             | 464      | Below Cal   |        | 80       |
| 3) Chloromethane              | 2.113  | 50             | 159      | Below Cal   | #      | 31       |
| 4) Vinyl Chloride             | 2.253  | 62             | 117      | Below Cal   | #      | 43       |
| 5) Bromomethane               | 2.662  | 94             | 205      | Below Cal   | #      | 53       |
| 6) Chloroethane               | 2.942  | 64             | 22       | Below Cal   | #      | 43       |
| 11) Tert butyl alcohol        | 4.936  | 59             | 371      | 2.716 ug/l  | #      | 77       |
| 16) Acetone                   | 3.954  | 43             | 166      | Below Cal   | #      | 47       |
| 18) Methyl Acetate            | 4.222  | 43             | 38       | Below Cal   | #      | 56       |
| 20) Methylene Chloride        | 4.704  | 84             | 5315     | Below Cal   | #      | 75       |
| 25) 2-Butanone                | 7.002  | 43             | 563      | 1.085 ug/l  | #      | 54       |
| 31) Cyclohexane               | 7.789  | 56             | 3125     | Below Cal   | #      | 3        |
| 36) 1,1-Dichloropropene       | 7.783  | 75             | 11580    | 5.179 ug/l  | #      | 50       |
| 38) Carbon Tetrachloride      | 7.789  | 117            | 13299    | 5.550 ug/l  | #      | 17       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75             | 48580    | 45.678 ug/l | #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75             | 48580    | 99.911 ug/l | #      | 7        |
| -----                         |        |                |          |             |        |          |

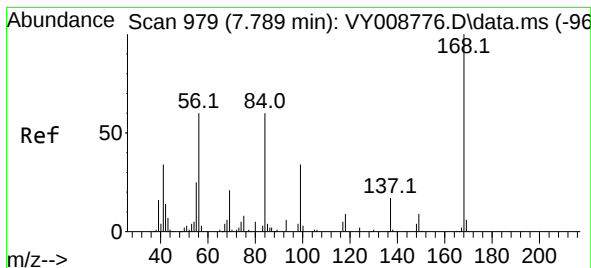
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051922\  
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Quant Title : SW846 8260  
QLast Update : Wed May 18 07:32:50 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: VY008896.D

Acq: 20 May 2022 03:25

Instrument :

MSVOA\_Y

ClientSampleId :

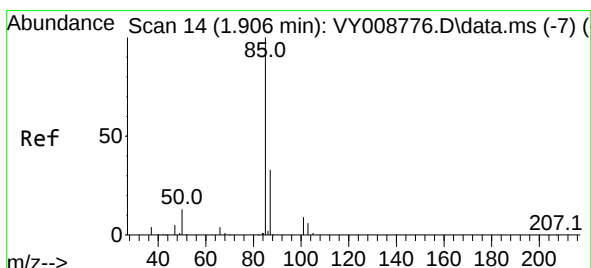
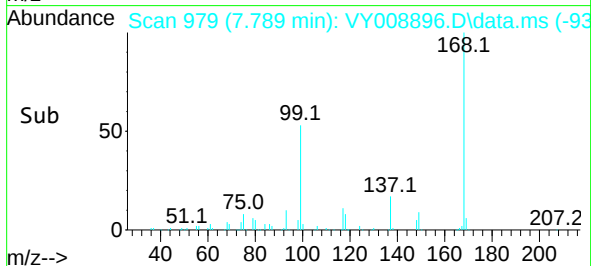
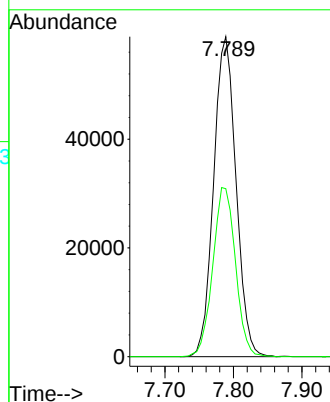
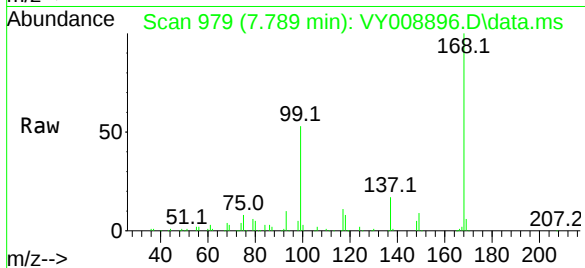
P017-SS002-0006-01

Tgt Ion:168 Resp: 133228

Ion Ratio Lower Upper

168 100

99 52.5 46.9 70.3



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.906 min Scan# 14

Delta R.T. -0.000 min

Lab File: VY008896.D

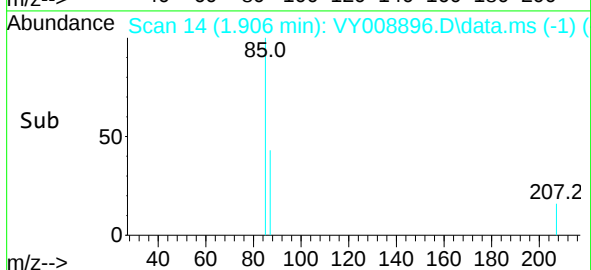
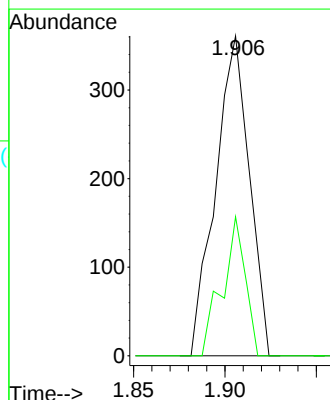
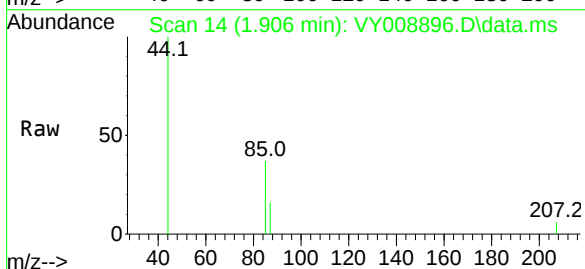
Acq: 20 May 2022 03:25

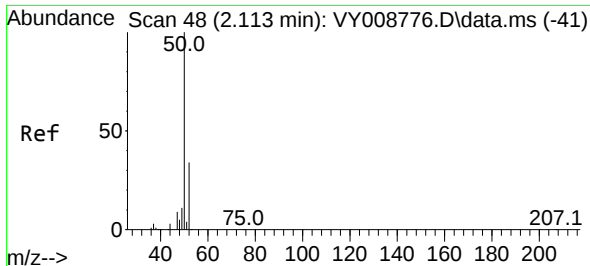
Tgt Ion: 85 Resp: 464

Ion Ratio Lower Upper

85 100

87 43.5 16.1 48.2

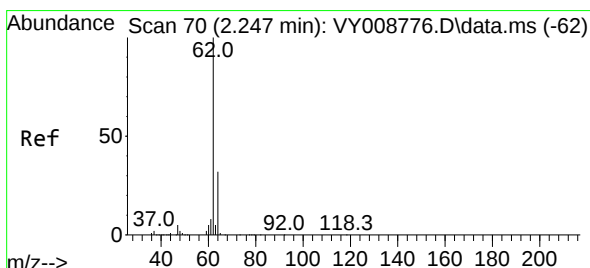
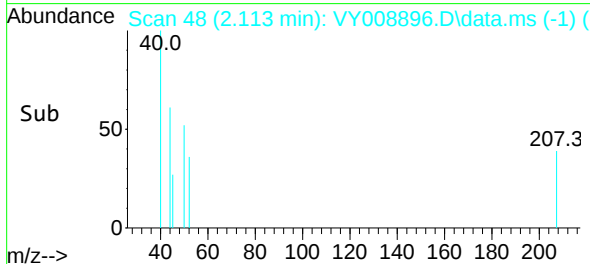
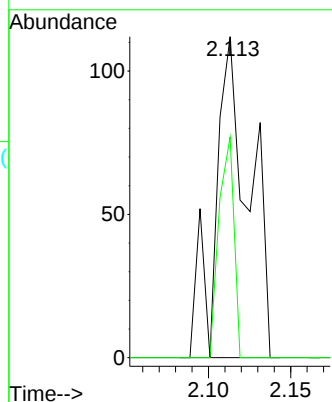
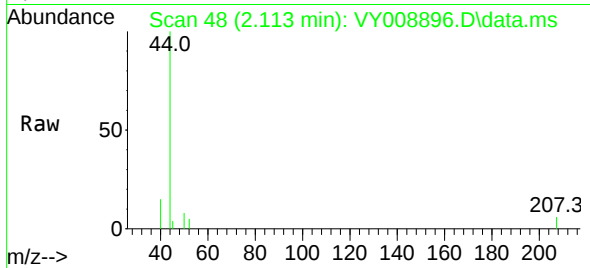




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY008896.D  
Acq: 20 May 2022 03:25

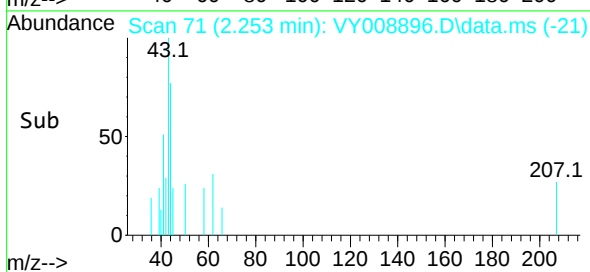
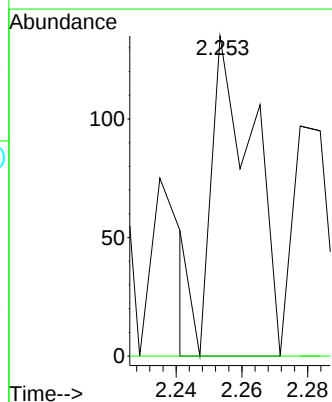
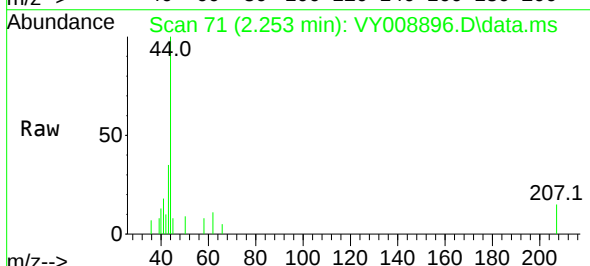
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P017-SS002-0006-01

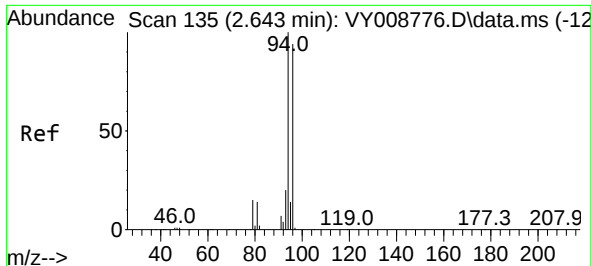
Tgt Ion: 50 Resp: 159  
Ion Ratio Lower Upper  
50 100  
52 68.8 24.6 37.0#



#4  
Vinyl Chloride  
Concen: Below Cal  
RT: 2.253 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VY008896.D  
Acq: 20 May 2022 03:25

Tgt Ion: 62 Resp: 117  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.0 37.6#

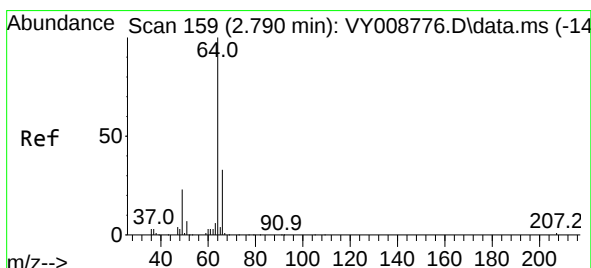
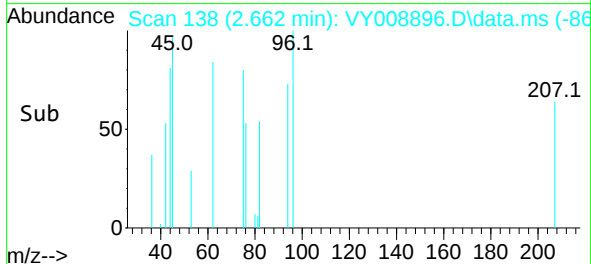
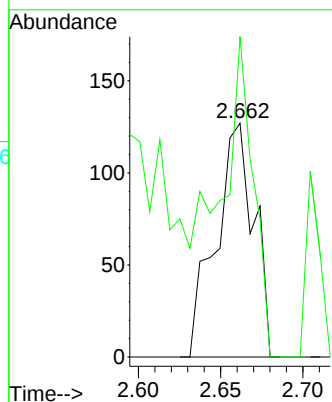
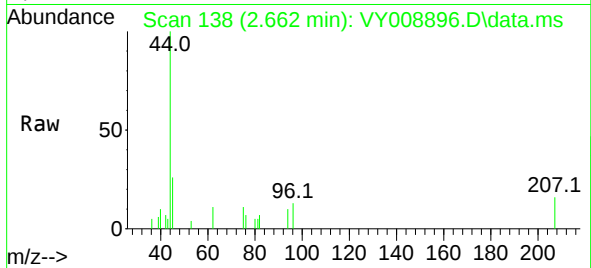




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.662 min Scan# 11  
Delta R.T. 0.019 min  
Lab File: VY008896.D  
Acq: 20 May 2022 03:25

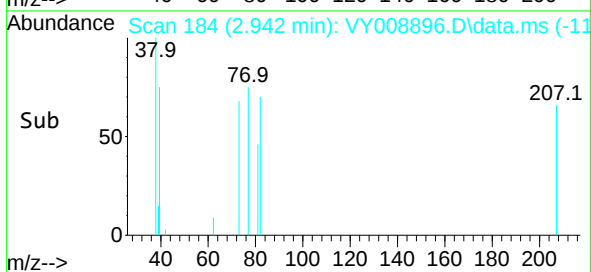
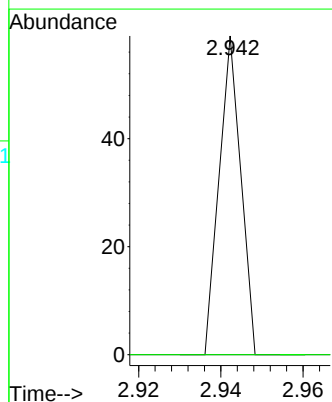
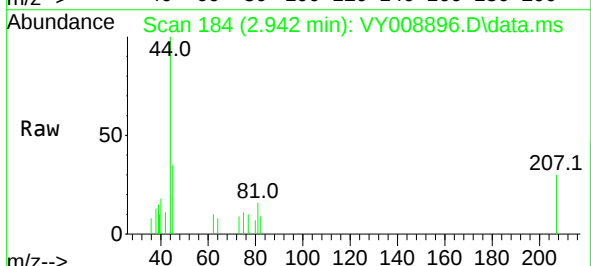
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P017-SS002-0006-01

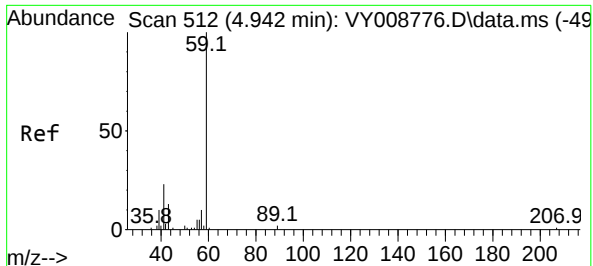
Tgt Ion: 94 Resp: 205  
Ion Ratio Lower Upper  
94 100  
96 137.0 73.5 110.3#



#6  
Chloroethane  
Concen: Below Cal  
RT: 2.942 min Scan# 184  
Delta R.T. 0.152 min  
Lab File: VY008896.D  
Acq: 20 May 2022 03:25

Tgt Ion: 64 Resp: 22  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#





#11

Tert butyl alcohol

Concen: 2.716 ug/l

RT: 4.936 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY008896.D

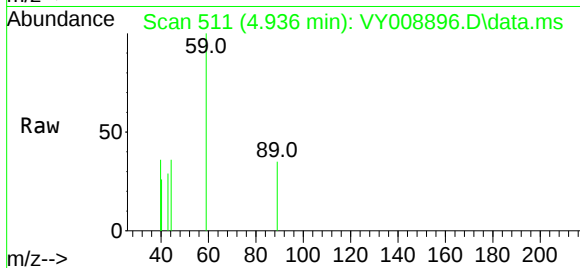
Acq: 20 May 2022 03:25

Instrument :

MSVOA\_Y

ClientSampleId :

P017-SS002-0006-01

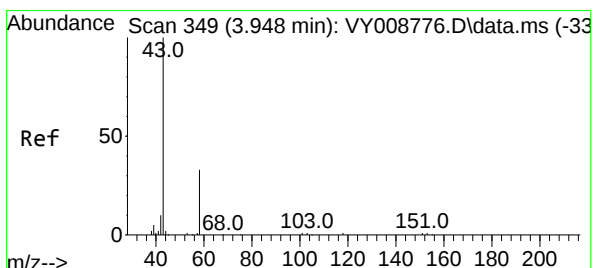
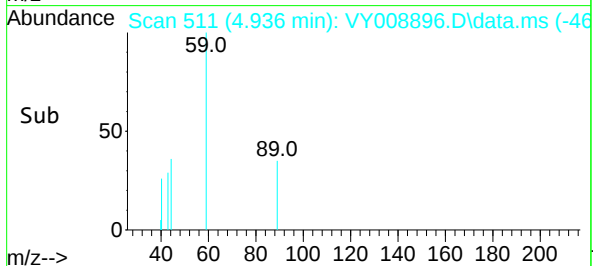
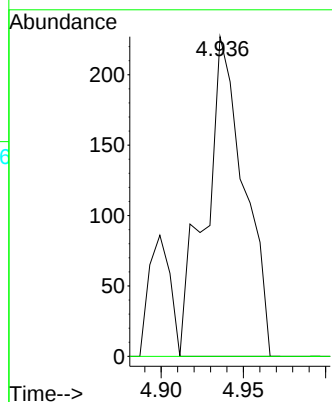


Tgt Ion: 59 Resp: 371

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: Below Cal

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY008896.D

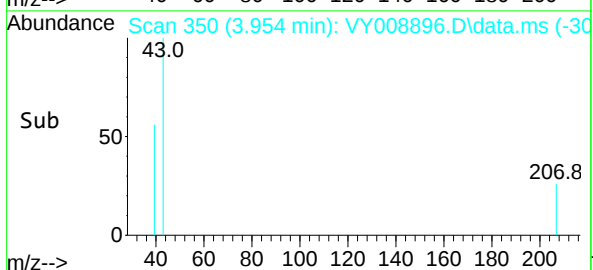
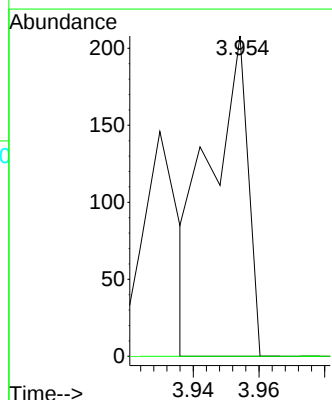
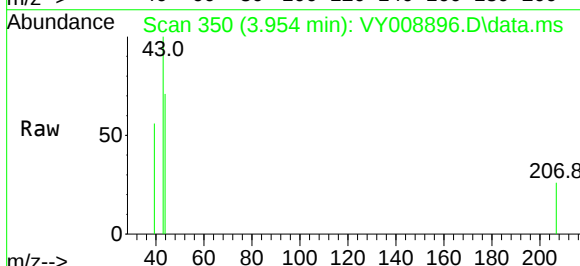
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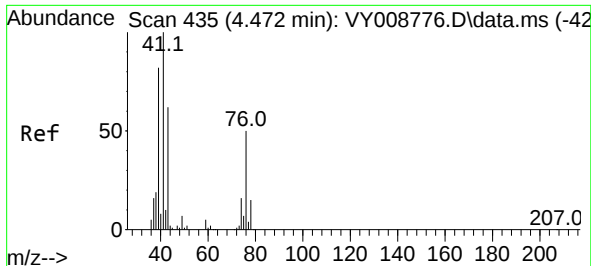
Tgt Ion: 43 Resp: 166

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#

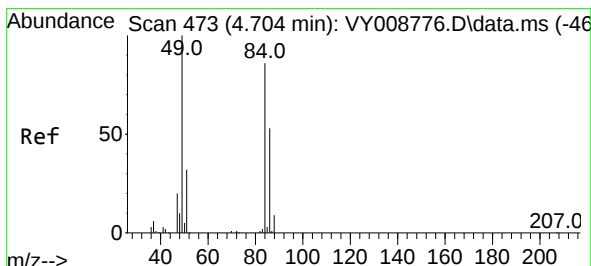
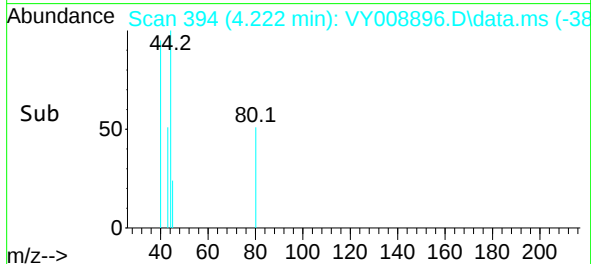
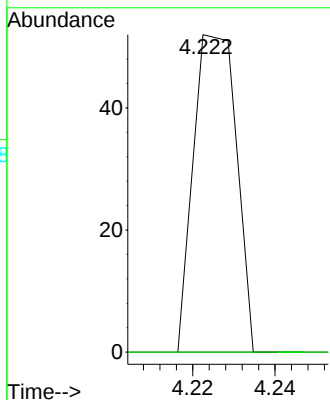
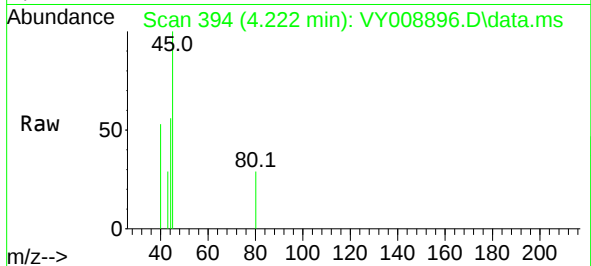




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.222 min Scan# 394  
Delta R.T. -0.250 min  
Lab File: VY008896.D  
Acq: 20 May 2022 03:25

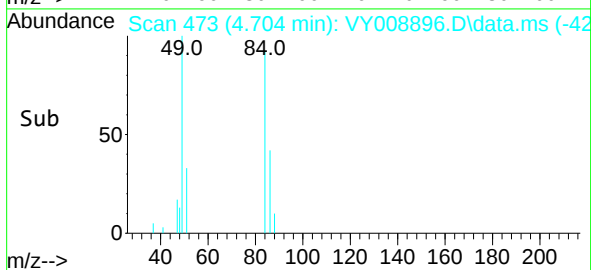
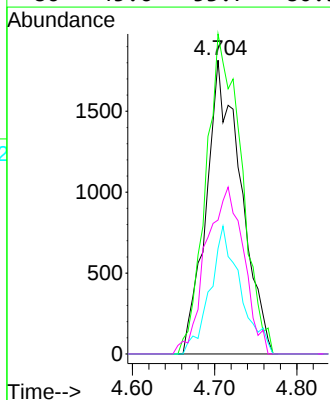
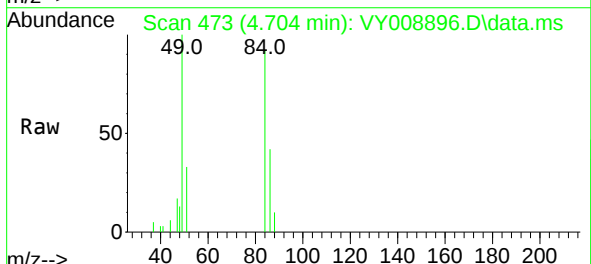
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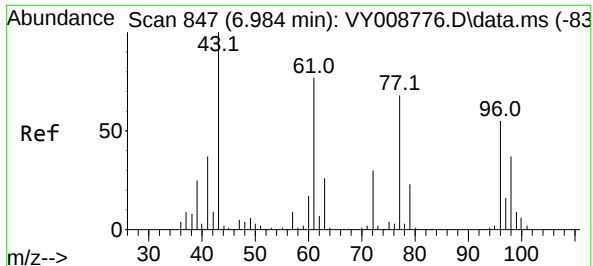
Tgt Ion: 43 Resp: 38  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.704 min Scan# 473  
Delta R.T. 0.000 min  
Lab File: VY008896.D  
Acq: 20 May 2022 03:25

Tgt Ion: 84 Resp: 5315  
Ion Ratio Lower Upper  
84 100  
49 108.9 114.4 171.6#  
51 35.9 35.3 52.9  
86 45.6 53.7 80.5#





#25

2-Butanone

Concen: 1.085 ug/l

RT: 7.002 min Scan# 81

Delta R.T. 0.018 min

Lab File: VY008896.D

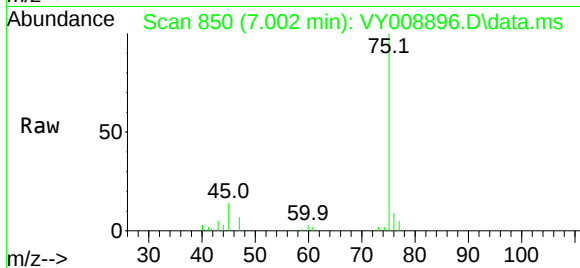
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Instrument :

MSVOA\_Y

ClientSampleId :

P017-SS002-0006-01

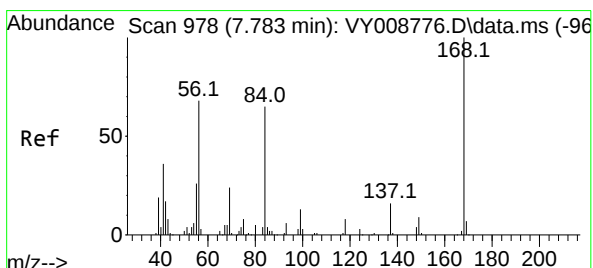
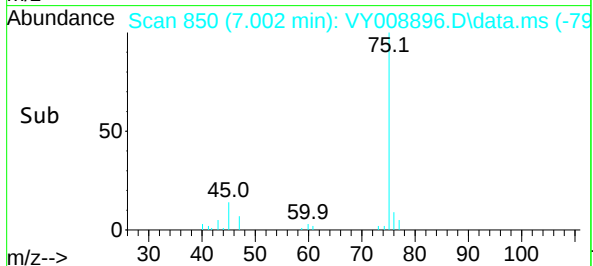
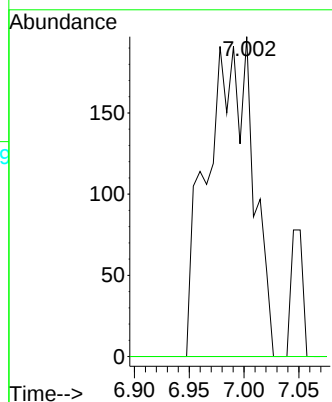


Tgt Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008896.D

Acq: 20 May 2022 03:25

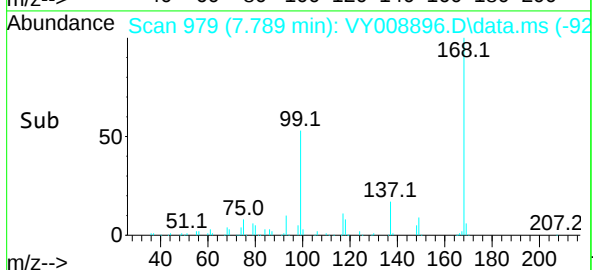
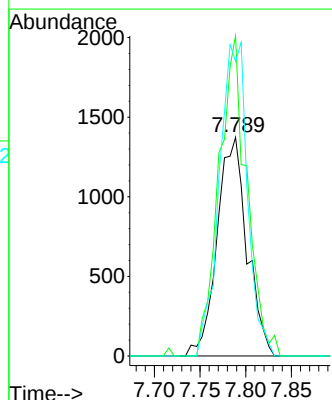
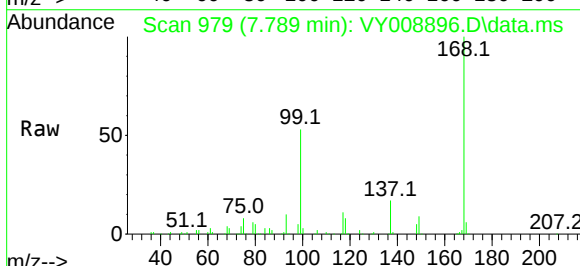
Tgt Ion: 56 Resp: 3125

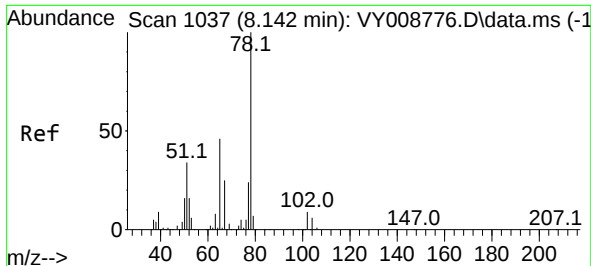
Ion Ratio Lower Upper

56 100

69 146.4 26.7 40.1#

84 134.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 68.675 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY008896.D

Acq: 20 May 2022 03:25

Instrument :

MSVOA\_Y

ClientSampleId :

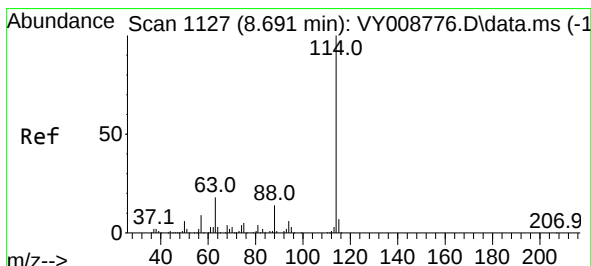
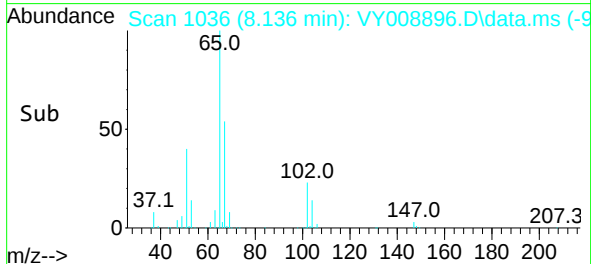
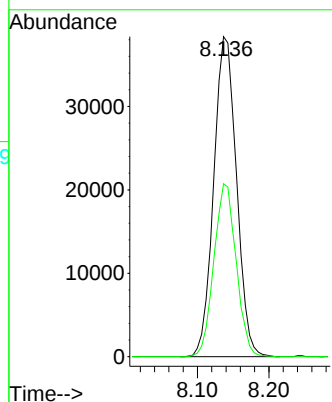
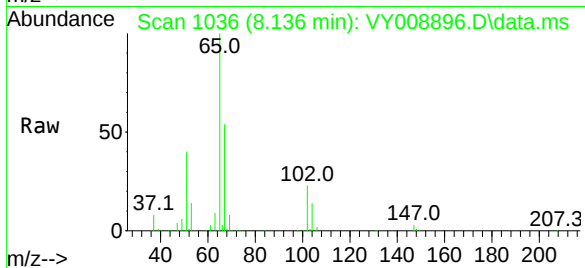
P017-SS002-0006-01

Tgt Ion: 65 Resp: 84880

Ion Ratio Lower Upper

65 100

67 52.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY008896.D

Acq: 20 May 2022 03:25

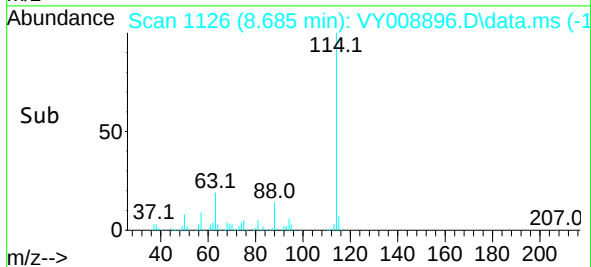
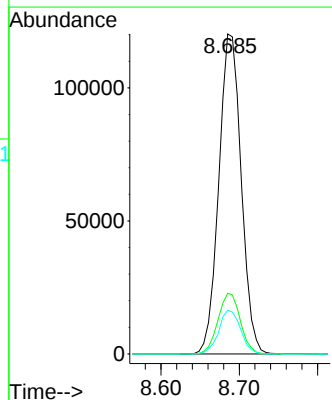
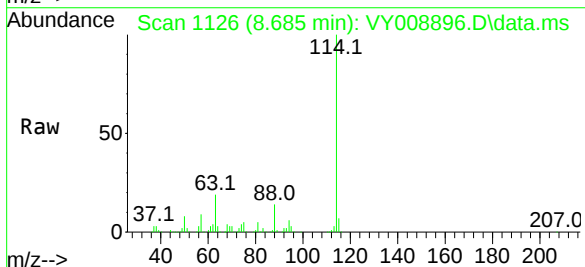
Tgt Ion: 114 Resp: 238926

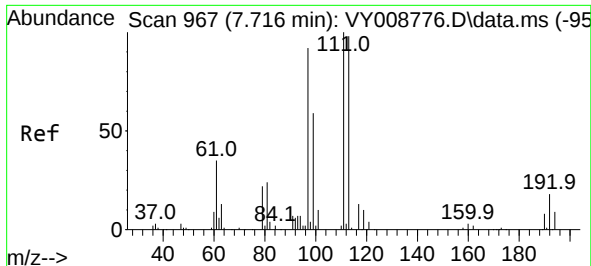
Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 13.6 0.0 31.8

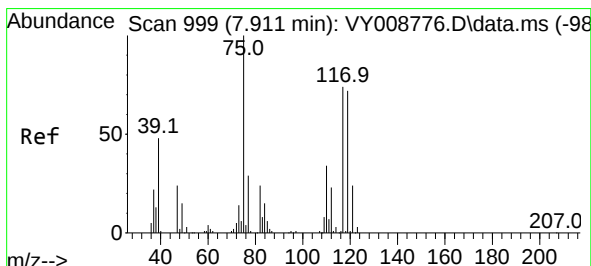
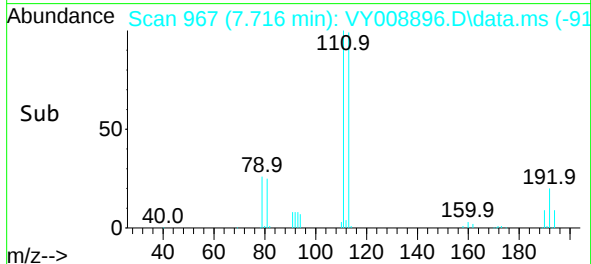
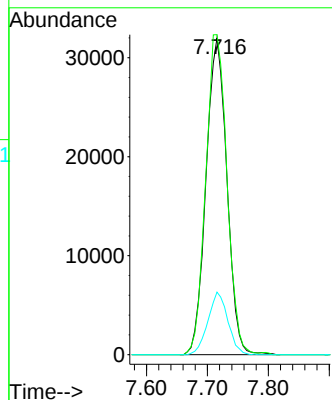
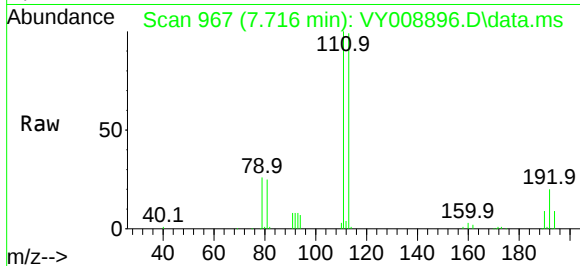




#35  
Dibromofluoromethane  
Concen: 54.493 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VY008896.D  
Acq: 20 May 2022 03:25

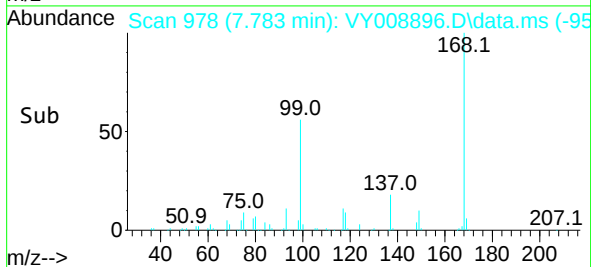
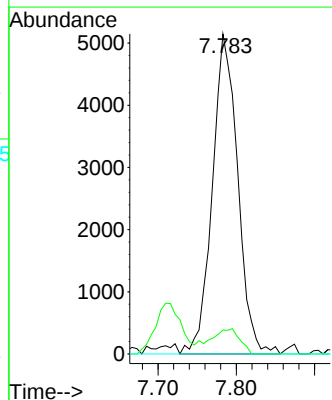
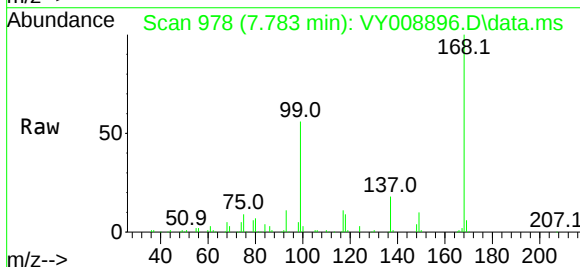
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P017-SS002-0006-01

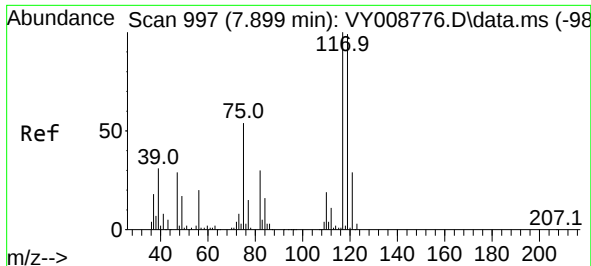
Tgt Ion:113 Resp: 76072  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.6 124.0  
192 18.9 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 5.179 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY008896.D  
Acq: 20 May 2022 03:25

Tgt Ion: 75 Resp: 11580  
Ion Ratio Lower Upper  
75 100  
110 8.1 17.1 51.2#  
77 0.0 24.4 36.6#

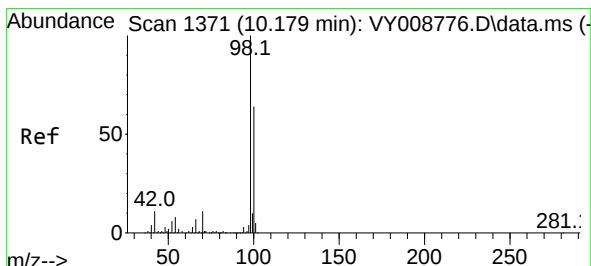
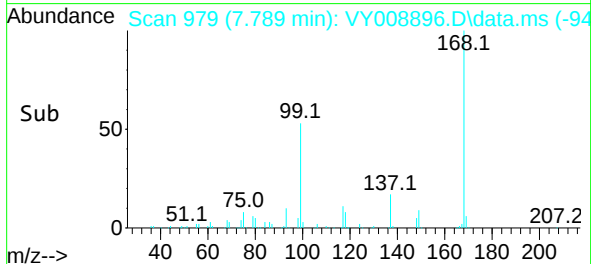
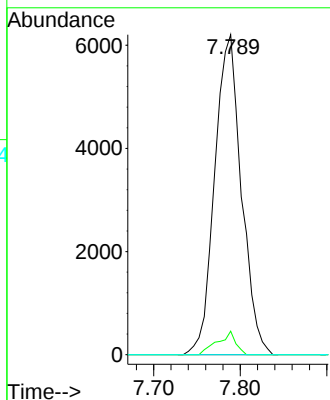
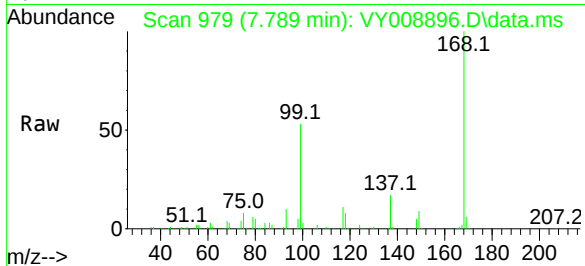




#38  
Carbon Tetrachloride  
Concen: 5.550 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY008896.D  
Acq: 20 May 2022 03:25

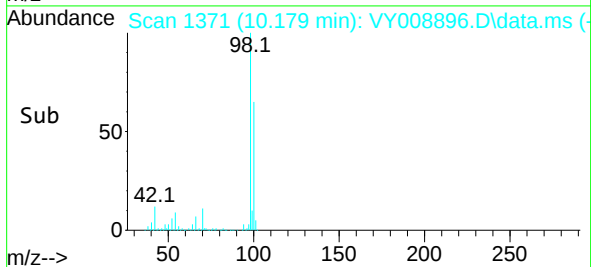
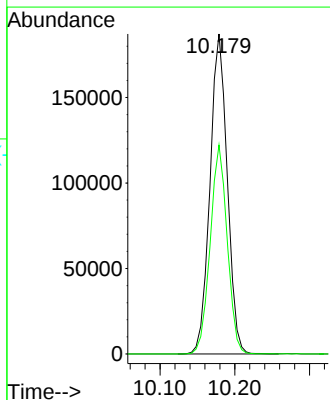
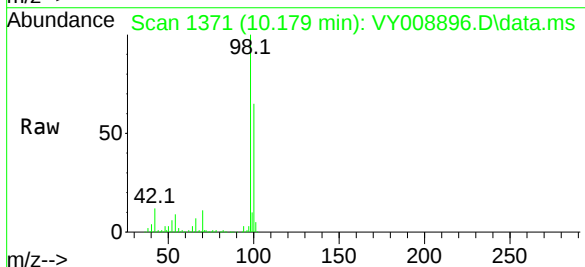
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P017-SS002-0006-01

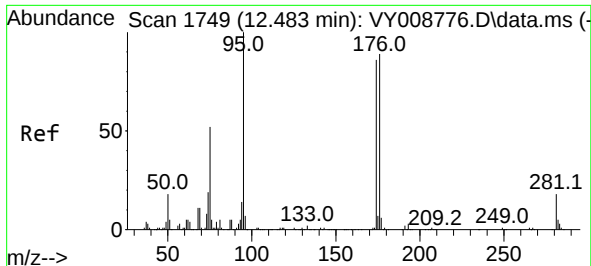
Tgt Ion:117 Resp: 13299  
Ion Ratio Lower Upper  
117 100  
119 7.3 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 48.654 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008896.D  
Acq: 20 May 2022 03:25

Tgt Ion: 98 Resp: 301341  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.2 75.2

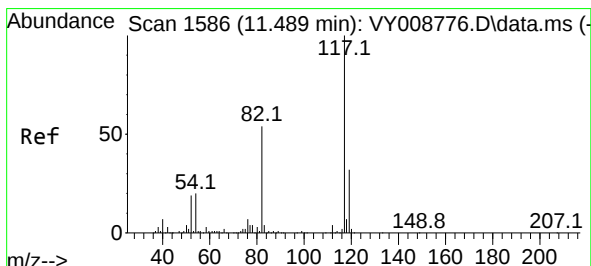
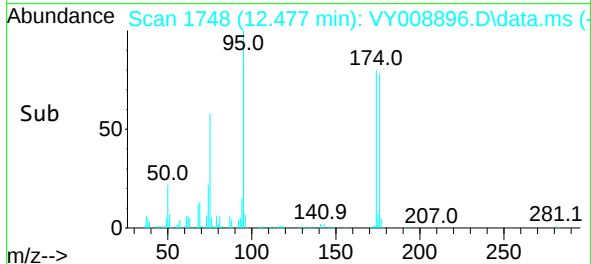
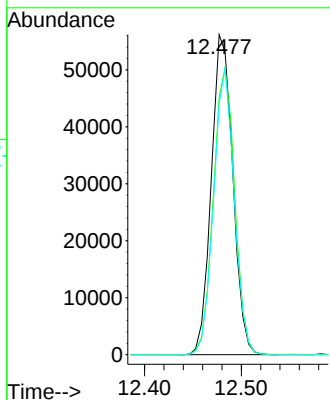
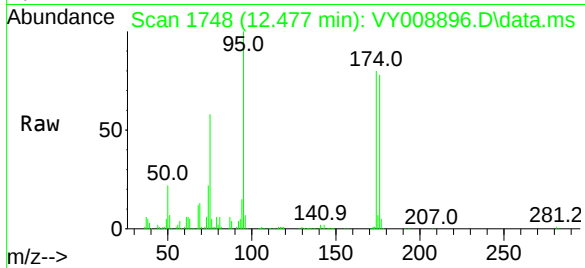




#62  
4-Bromofluorobenzene  
Concen: 39.788 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY008896.D  
Acq: 20 May 2022 03:25

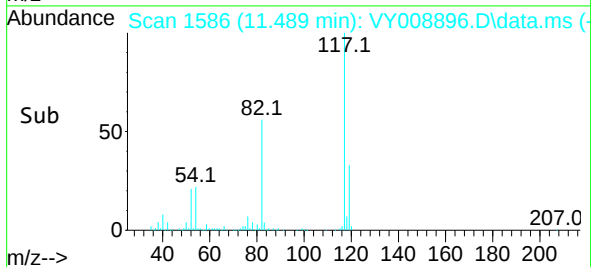
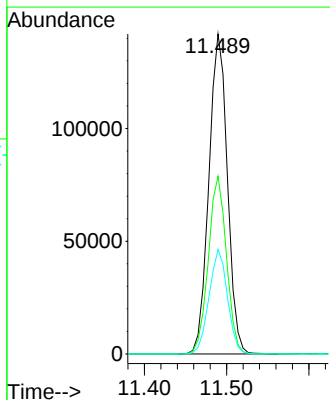
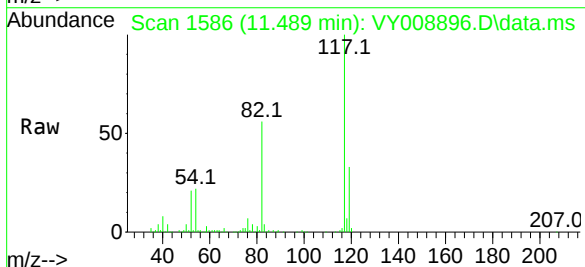
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P017-SS002-0006-01

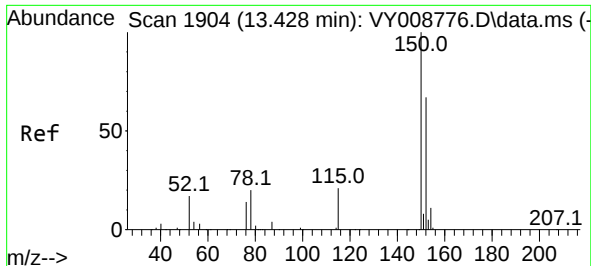
Tgt Ion: 95 Resp: 86412  
Ion Ratio Lower Upper  
95 100  
174 89.2 0.0 177.0  
176 85.6 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY008896.D  
Acq: 20 May 2022 03:25

Tgt Ion: 117 Resp: 221861  
Ion Ratio Lower Upper  
117 100  
82 55.6 43.0 64.4  
119 32.6 25.4 38.0

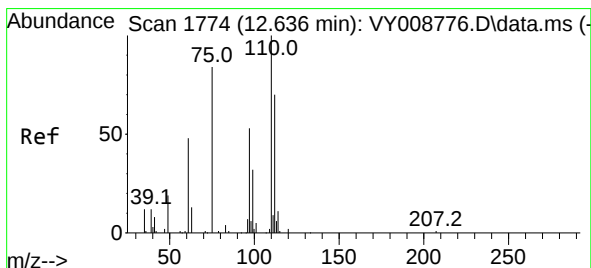
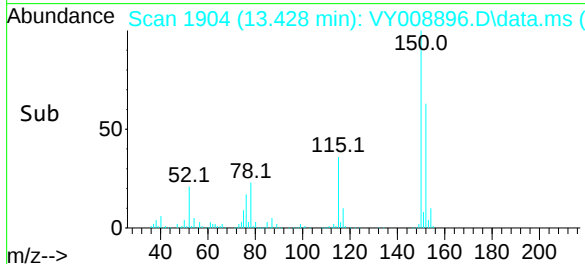
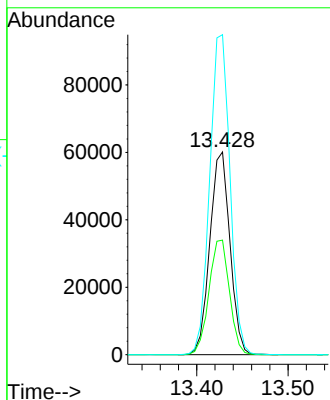
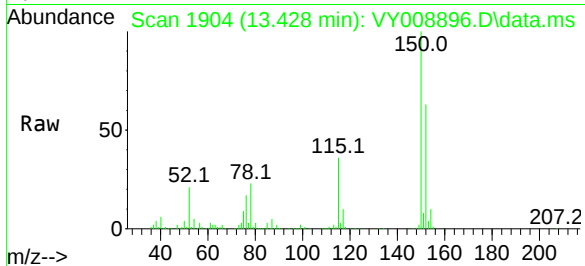




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY008896.D  
 Acq: 20 May 2022 03:25

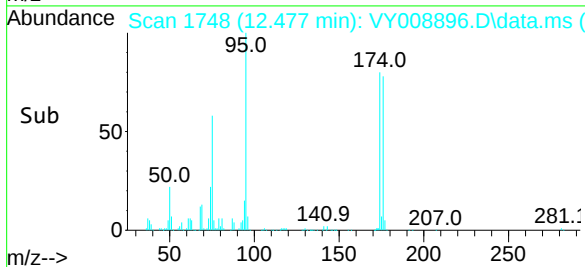
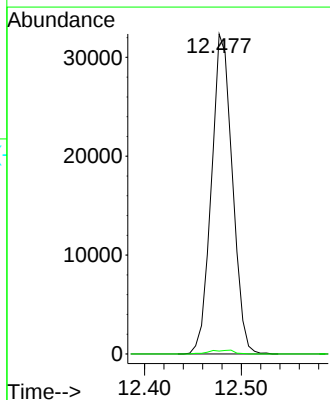
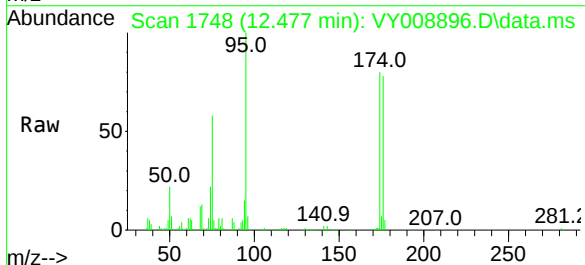
Instrument :  
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 ClientSampleId :  
 P017-SS002-0006-01

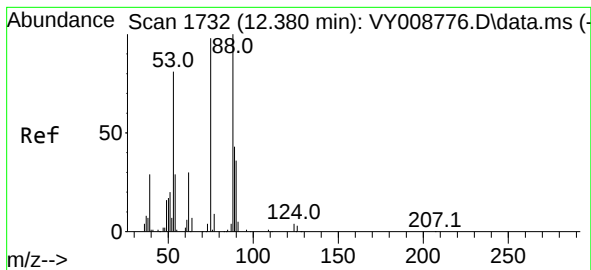
Tgt Ion:152 Resp: 92069  
 Ion Ratio Lower Upper  
 152 100  
 115 57.5 28.2 84.7  
 150 158.8 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 45.678 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.158 min  
 Lab File: VY008896.D  
 Acq: 20 May 2022 03:25

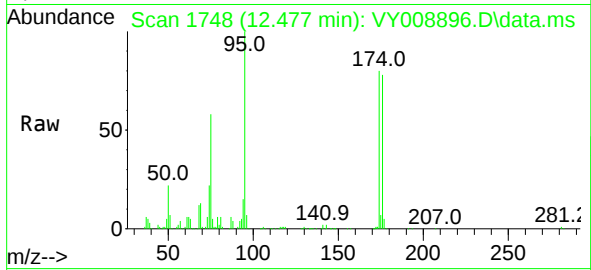
Tgt Ion: 75 Resp: 48580  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 99.911 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY008896.D  
 Acq: 20 May 2022 03:25

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P017-SS002-0006-01



Tgt Ion: 75 Resp: 48580  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.0 37.0 55.4#

