

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020722\  
 Data File : VY007417.D  
 Acq On : 07 Feb 2022 16:52  
 Operator : SY/MD  
 Sample : N1421-02  
 Misc : 6.30g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-2

Quant Time: Feb 08 00:40:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 03 04:36:48 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 107817   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 200875   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 192973   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 82002    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 70396    | 56.764   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 113.520% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 66677    | 51.692   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.380% |
| 50) Toluene-d8              | 10.179 | 98    | 247067   | 51.845   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 103.680% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 91495    | 56.487   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 112.980% |

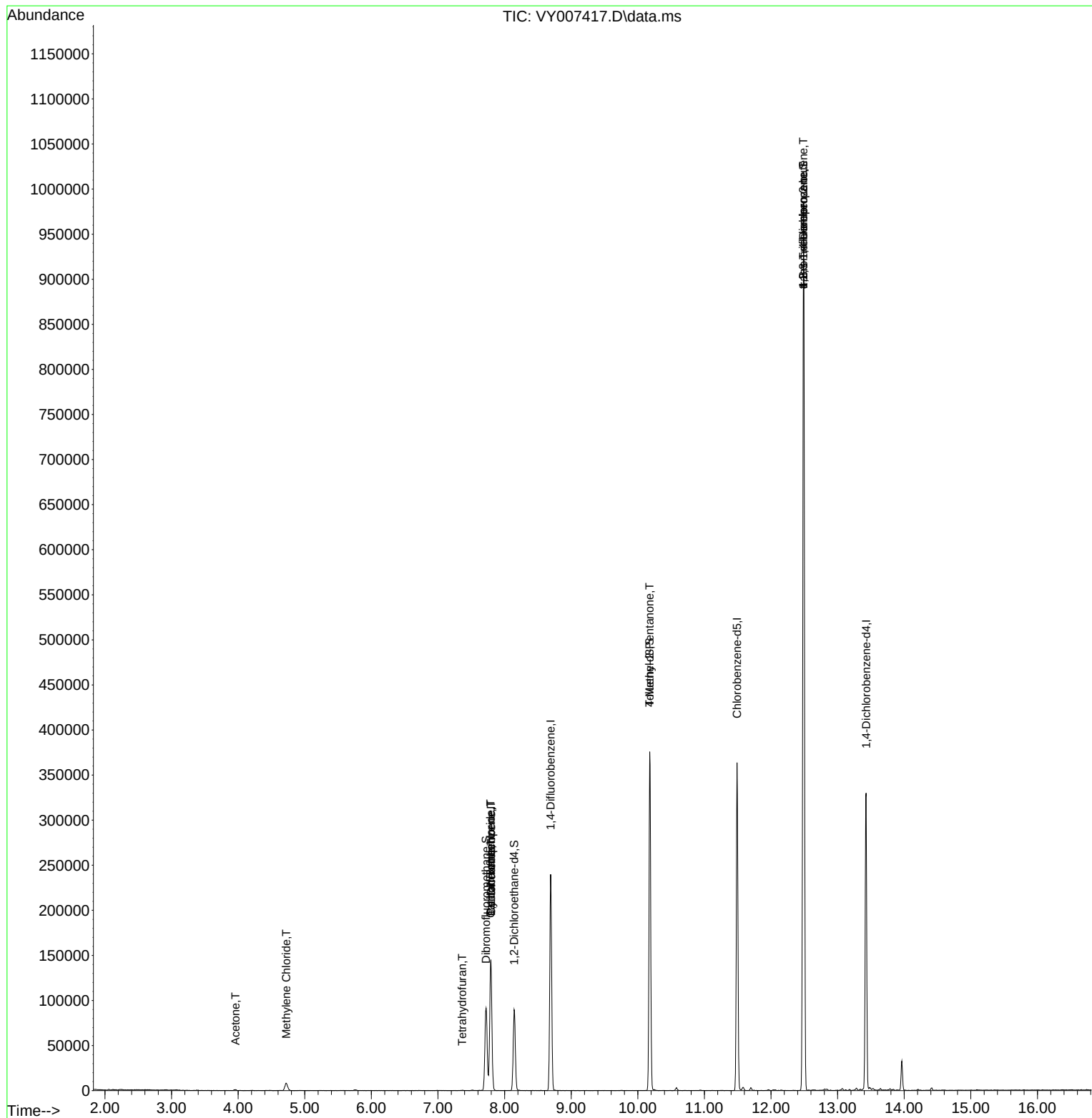
| Target Compounds              |        |     |       |           | Qvalue |     |
|-------------------------------|--------|-----|-------|-----------|--------|-----|
| 3) Chloromethane              | 2.113  | 50  | 375   | Below Cal | #      | 67  |
| 11) Tert butyl alcohol        | 4.948  | 59  | 192   | Below Cal | #      | 77  |
| 16) Acetone                   | 3.960  | 43  | 1620  | 4.022     | ug/l # | 64  |
| 20) Methylene Chloride        | 4.722  | 84  | 6472  | 2.791     | ug/l # | 72  |
| 29) Tetrahydrofuran           | 7.362  | 42  | 293   | 1.042     | ug/l # | 51  |
| 31) Cyclohexane               | 7.795  | 56  | 2535  | 1.048     | ug/l # | 7   |
| 36) 1,1-Dichloropropene       | 7.795  | 75  | 9128  | 4.048     | ug/l # | 51  |
| 38) Carbon Tetrachloride      | 7.789  | 117 | 11847 | 5.001     | ug/l # | 15  |
| 51) 4-Methyl-2-Pentanone      | 10.179 | 43  | 1176  | 1.106     | ug/l # | 1   |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75  | 55896 | 57.338    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75  | 55896 | 114.872   | ug/l # | 10  |

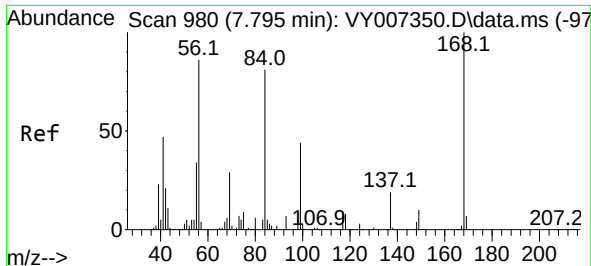
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 08 00:40:05 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 03 04:36:48 2022  
Response via : Initial Calibration

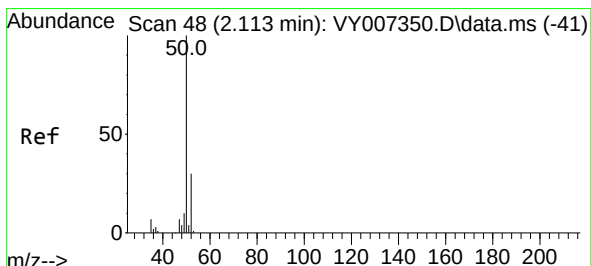
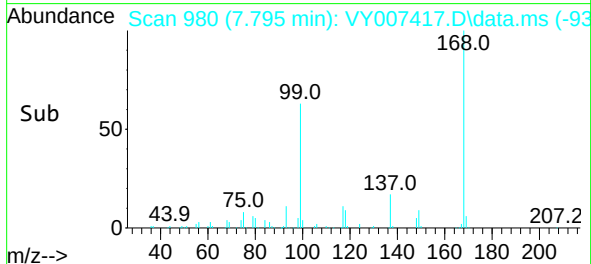
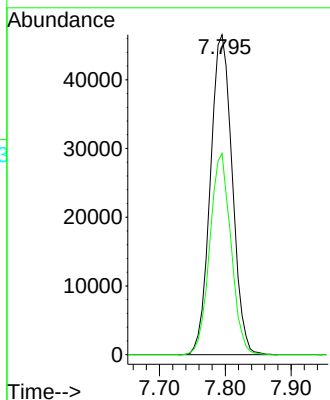
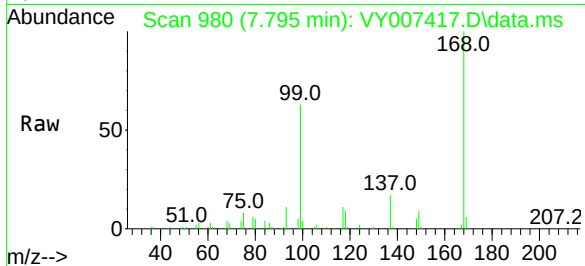




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007417.D  
Acq: 07 Feb 2022 16:52

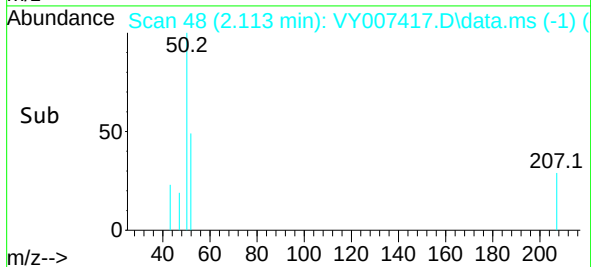
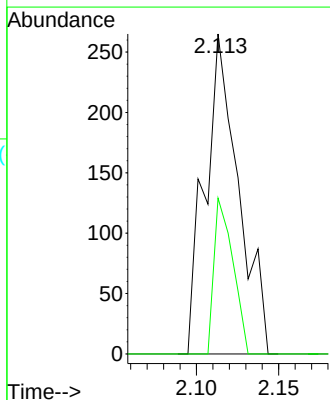
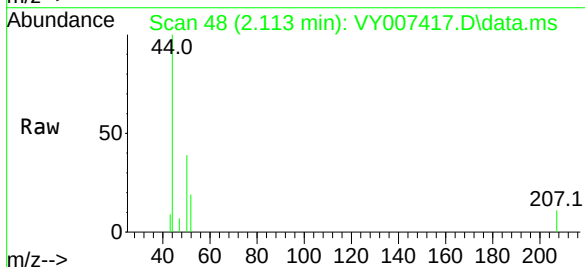
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

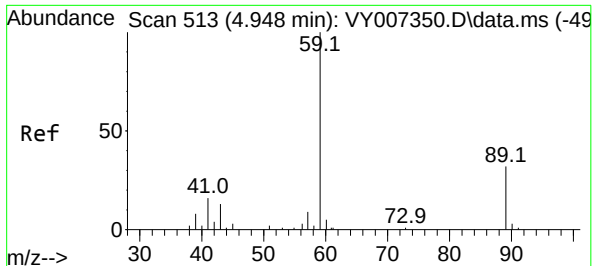
Tgt Ion:168 Resp: 107817  
Ion Ratio Lower Upper  
168 100  
99 62.9 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY007417.D  
Acq: 07 Feb 2022 16:52

Tgt Ion: 50 Resp: 375  
Ion Ratio Lower Upper  
50 100  
52 48.7 24.6 37.0#

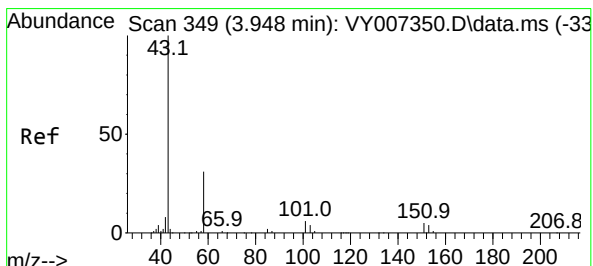
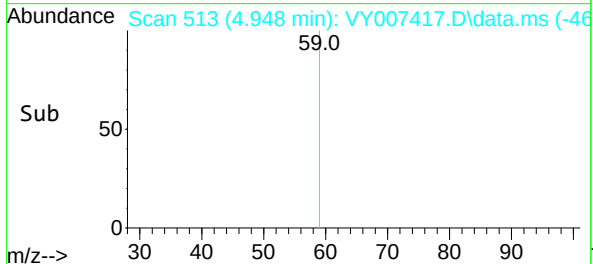
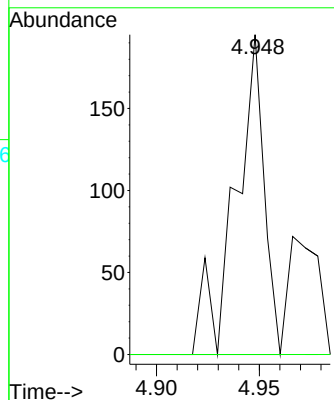
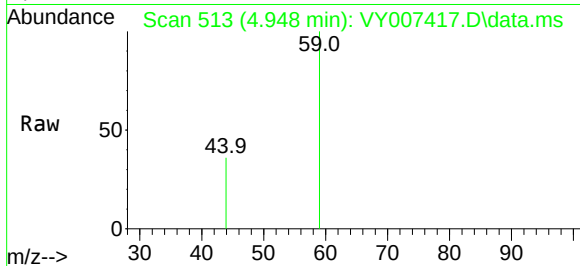




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.948 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VY007417.D  
Acq: 07 Feb 2022 16:52

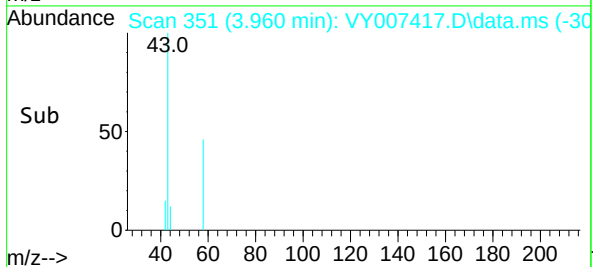
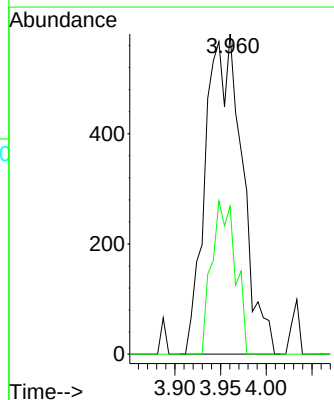
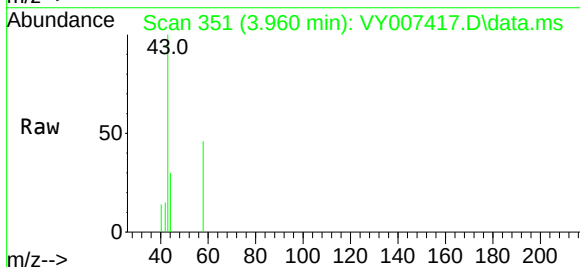
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

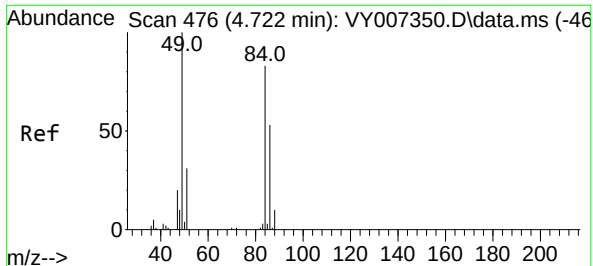
Tgt Ion: 59 Resp: 192  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#



#16  
Acetone  
Concen: 4.022 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.012 min  
Lab File: VY007417.D  
Acq: 07 Feb 2022 16:52

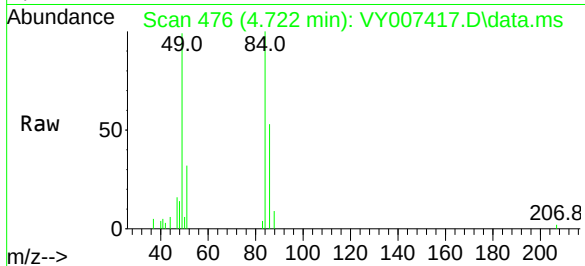
Tgt Ion: 43 Resp: 1620  
Ion Ratio Lower Upper  
43 100  
58 46.1 22.0 33.0#



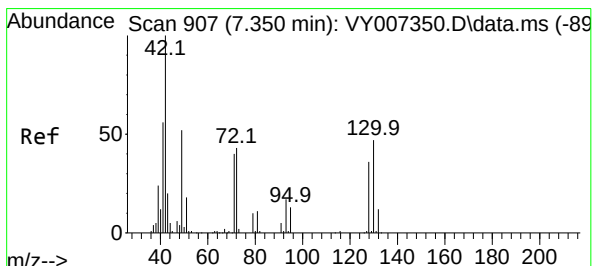
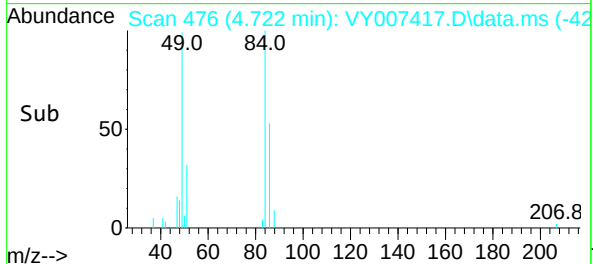
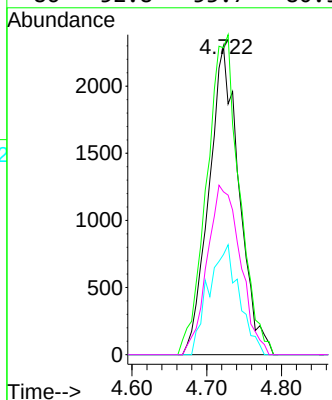


#20  
Methylene Chloride  
Concen: 2.791 ug/l  
RT: 4.722 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY007417.D  
Acq: 07 Feb 2022 16:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

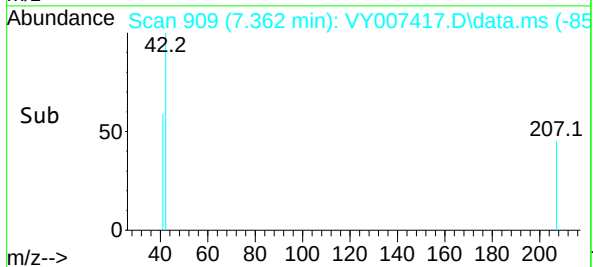
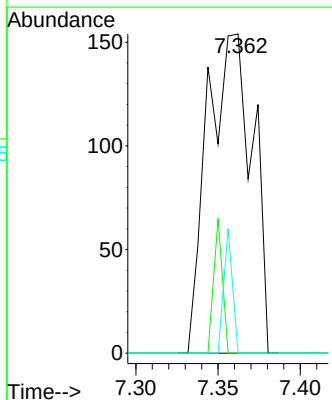
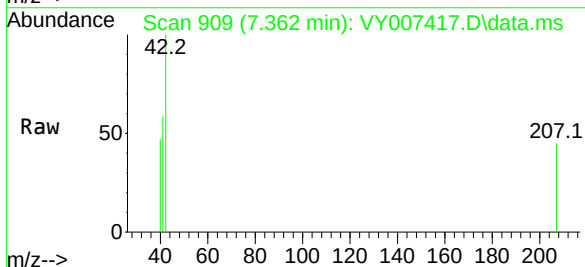


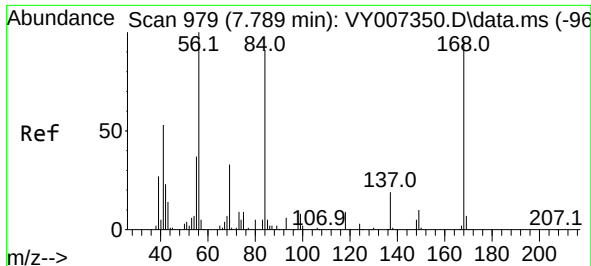
Tgt Ion: 84 Resp: 6472  
Ion Ratio Lower Upper  
84 100  
49 99.5 114.4 171.6#  
51 32.5 35.3 52.9#  
86 52.8 53.7 80.5#



#29  
Tetrahydrofuran  
Concen: 1.042 ug/l  
RT: 7.362 min Scan# 909  
Delta R.T. 0.012 min  
Lab File: VY007417.D  
Acq: 07 Feb 2022 16:52

Tgt Ion: 42 Resp: 293  
Ion Ratio Lower Upper  
42 100  
72 8.2 30.3 45.5#  
71 7.5 29.0 43.4#

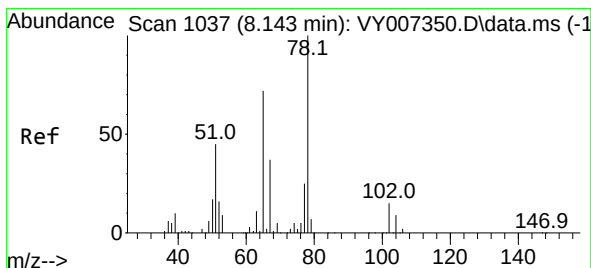
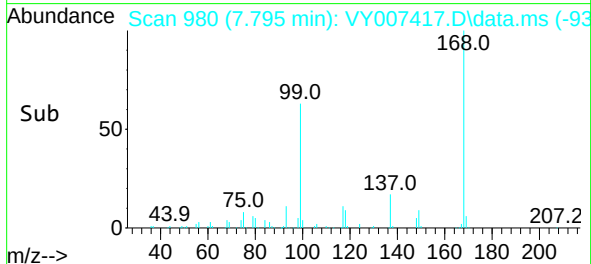
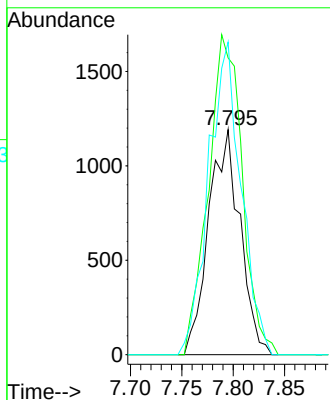
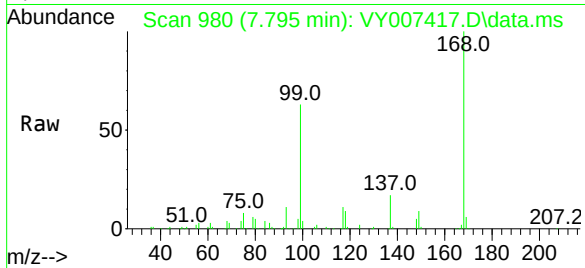




#31  
Cyclohexane  
Concen: 1.048 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007417.D  
Acq: 07 Feb 2022 16:52

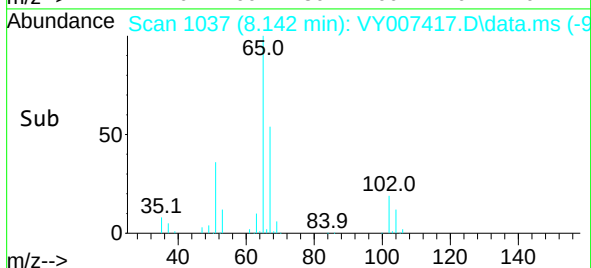
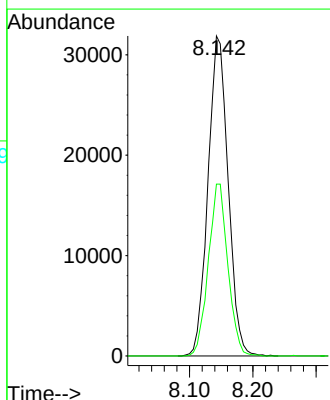
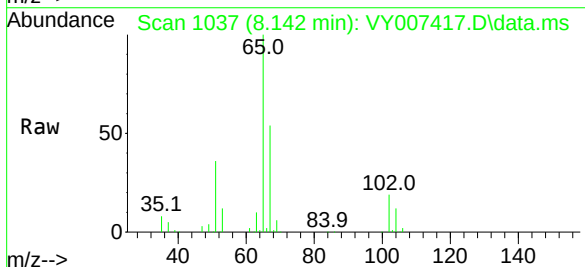
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

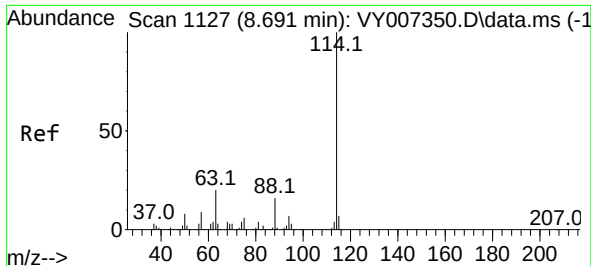
Tgt Ion: 56 Resp: 2535  
Ion Ratio Lower Upper  
56 100  
69 131.9 26.7 40.1#  
84 138.9 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 56.764 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY007417.D  
Acq: 07 Feb 2022 16:52

Tgt Ion: 65 Resp: 70396  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007417.D

Acq: 07 Feb 2022 16:52

Instrument :

MSVOA\_Y

ClientSampleId :

SB-2

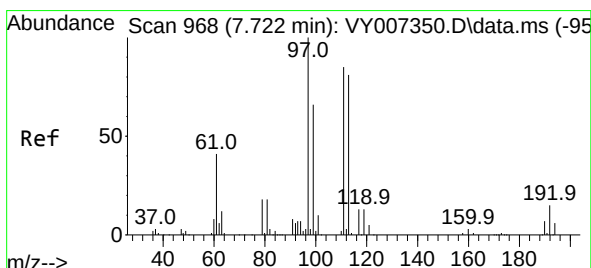
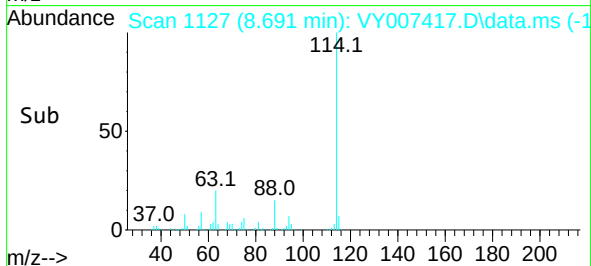
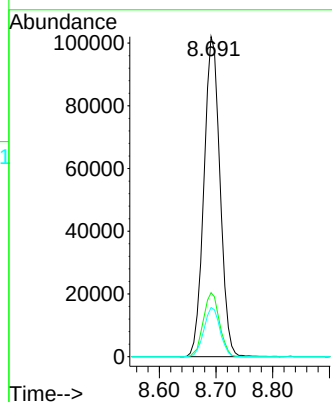
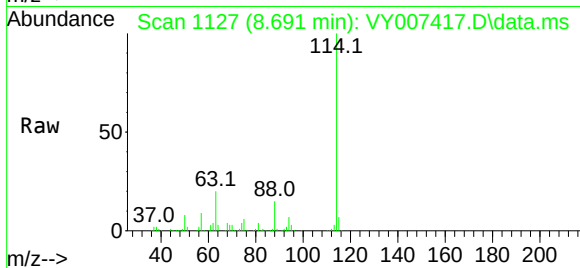
Tgt Ion:114 Resp: 200875

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.692 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY007417.D

Acq: 07 Feb 2022 16:52

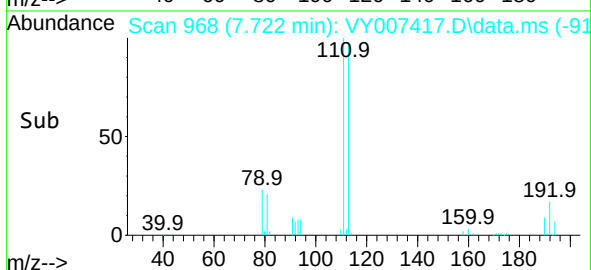
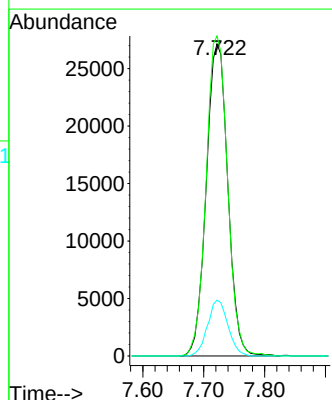
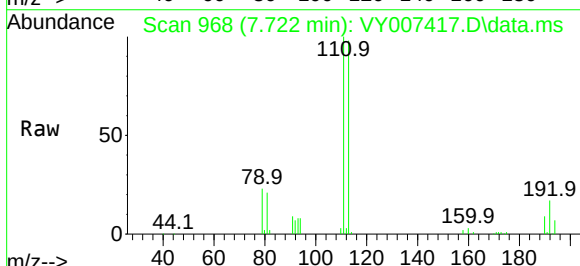
Tgt Ion:113 Resp: 66677

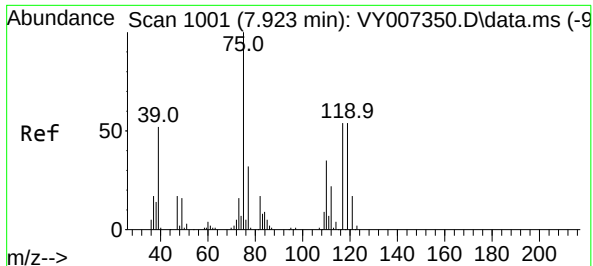
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 16.9 17.6 26.4#





#36

1,1-Dichloropropene

Concen: 4.048 ug/l

RT: 7.795 min Scan# 912

Delta R.T. -0.128 min

Lab File: VY007417.D

Acq: 07 Feb 2022 16:52

Instrument :

MSVOA\_Y

ClientSampleId :

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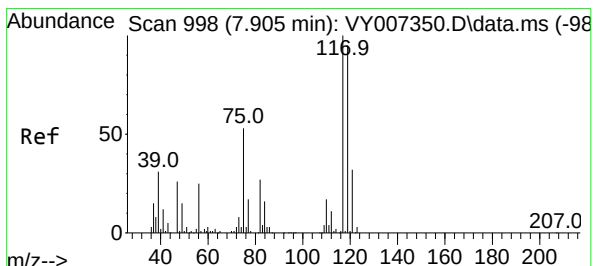
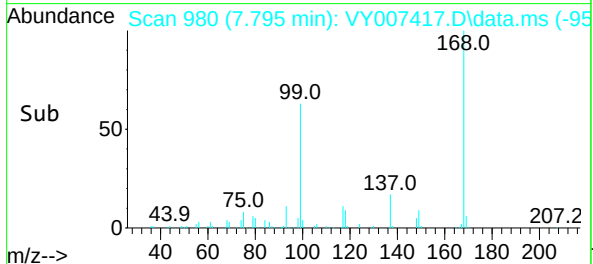
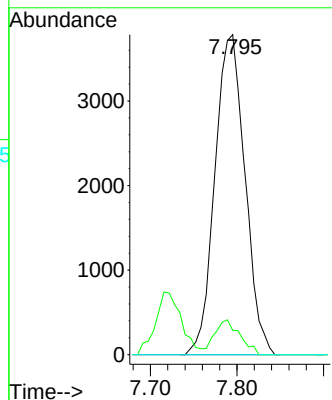
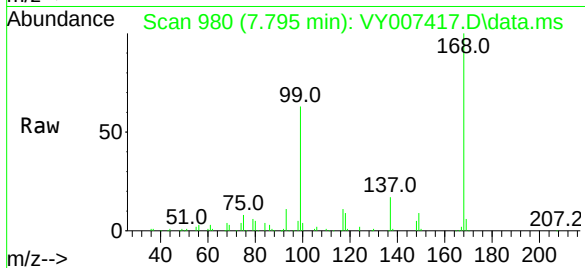
Tgt Ion: 75 Resp: 9128

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.001 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY007417.D

Acq: 07 Feb 2022 16:52

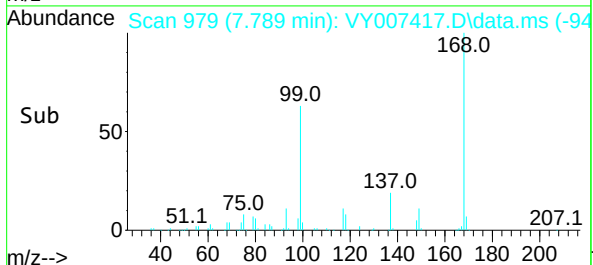
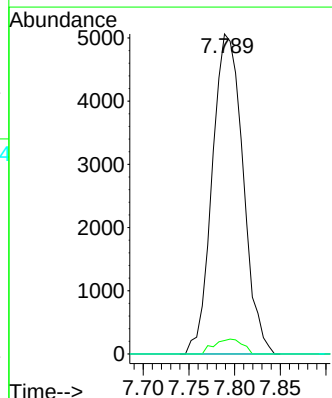
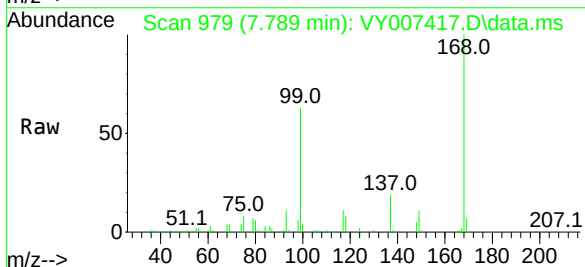
Tgt Ion: 117 Resp: 11847

Ion Ratio Lower Upper

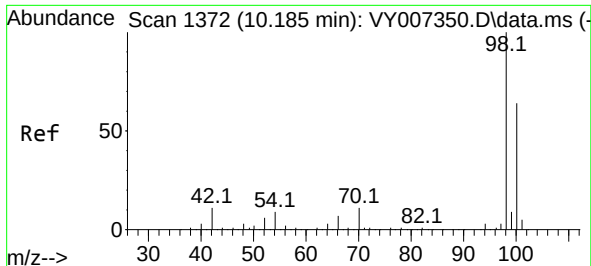
117 100

119 4.2 77.9 116.9#

121 0.0 24.8 37.2#







#50

Toluene-d8

Concen: 51.845 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY007417.D

Acq: 07 Feb 2022 16:52

Instrument :

MSVOA\_Y

ClientSampleId :

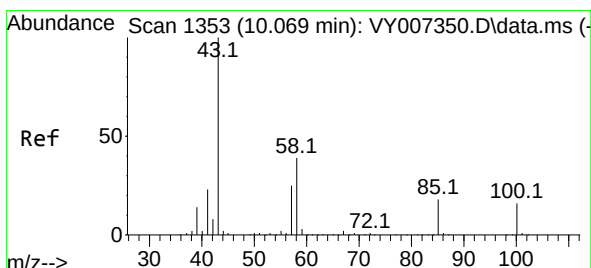
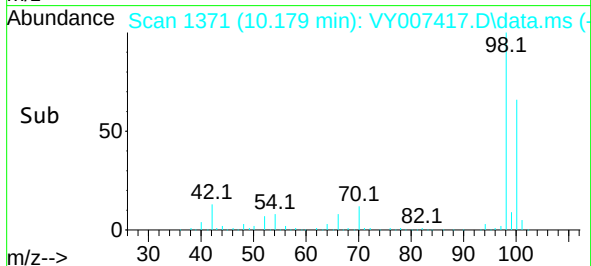
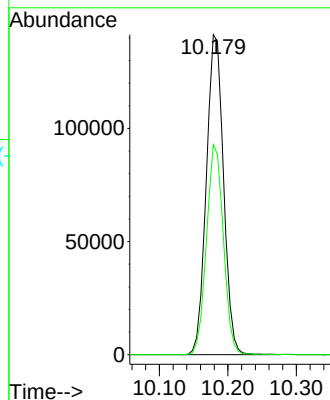
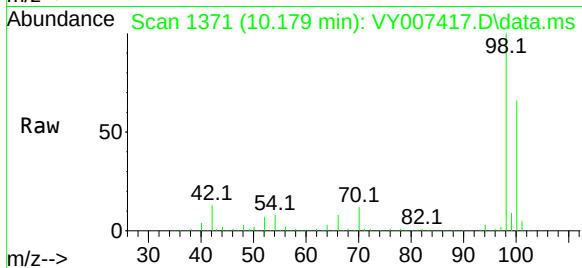
SB-2

Tgt Ion: 98 Resp: 247067

Ion Ratio Lower Upper

98 100

100 64.6 50.2 75.2



#51

4-Methyl-2-Pentanone

Concen: 1.106 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.110 min

Lab File: VY007417.D

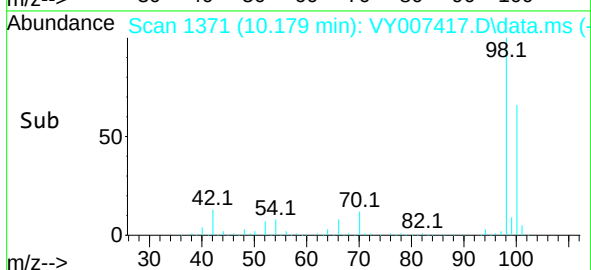
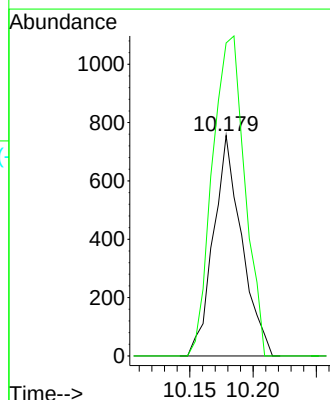
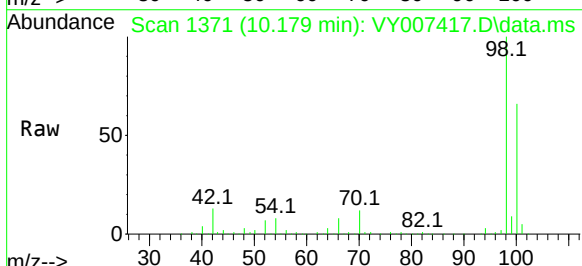
Acq: 07 Feb 2022 16:52

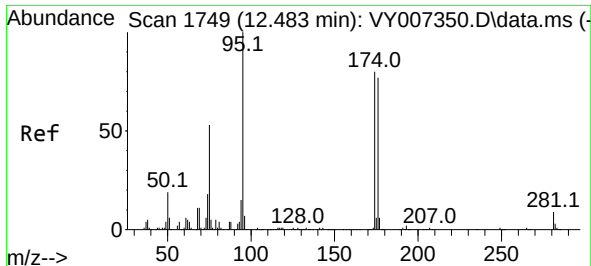
Tgt Ion: 43 Resp: 1176

Ion Ratio Lower Upper

43 100

58 165.8 28.1 42.1#

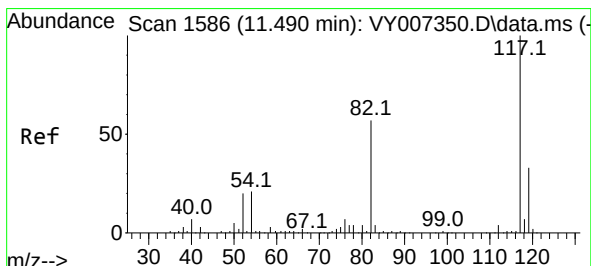
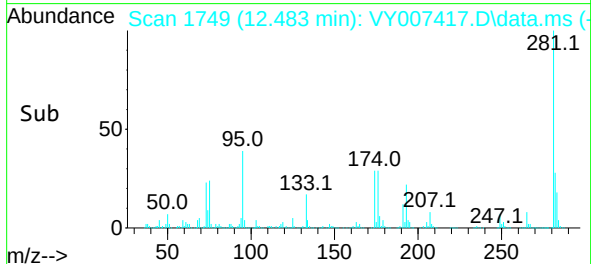
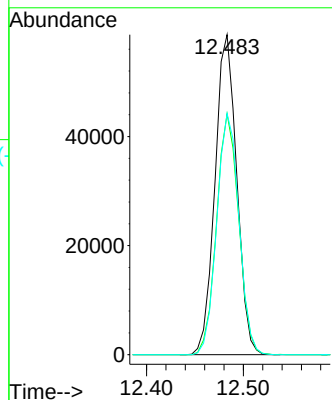
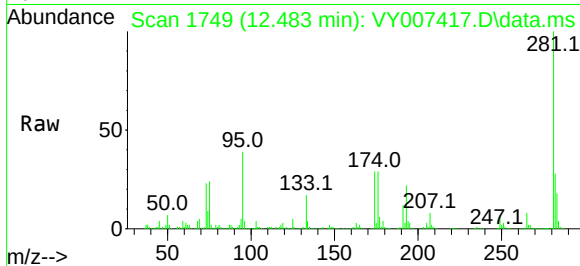




#62  
4-Bromofluorobenzene  
Concen: 56.487 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY007417.D  
Acq: 07 Feb 2022 16:52

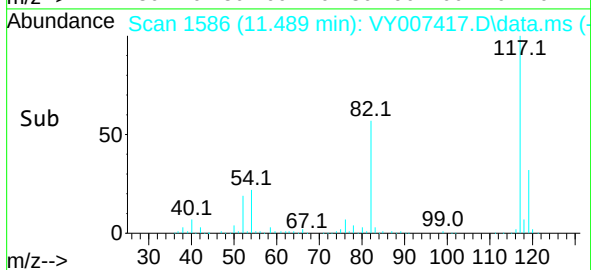
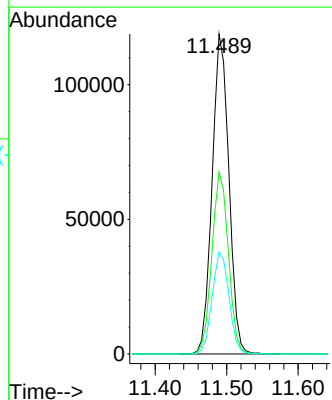
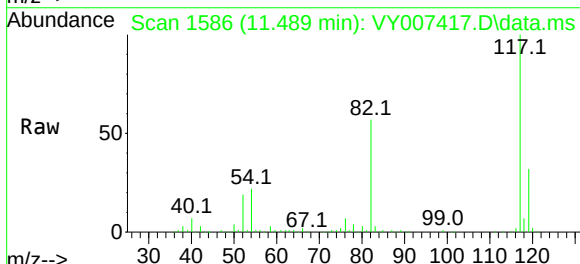
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

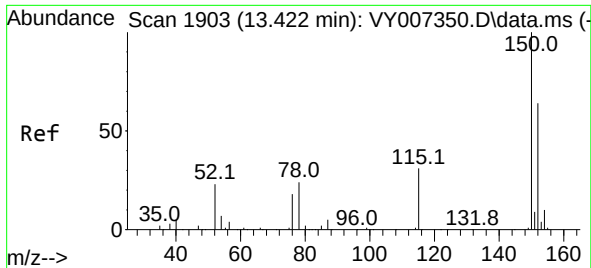
Tgt Ion: 95 Resp: 91495  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 177.0  
176 76.7 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY007417.D  
Acq: 07 Feb 2022 16:52

Tgt Ion: 117 Resp: 192973  
Ion Ratio Lower Upper  
117 100  
82 56.8 43.0 64.4  
119 31.9 25.4 38.0

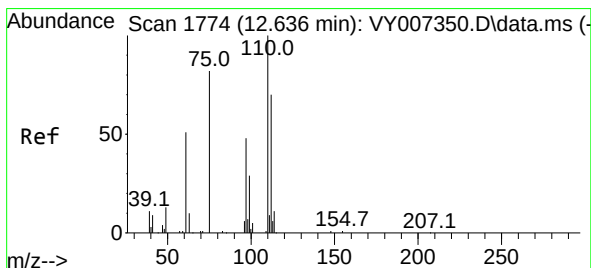
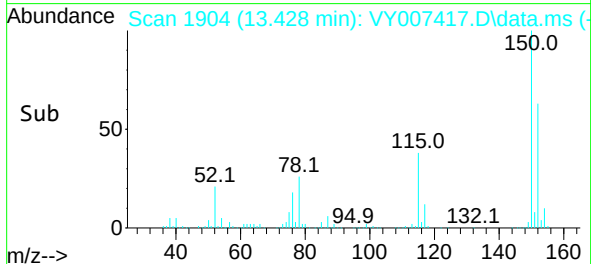
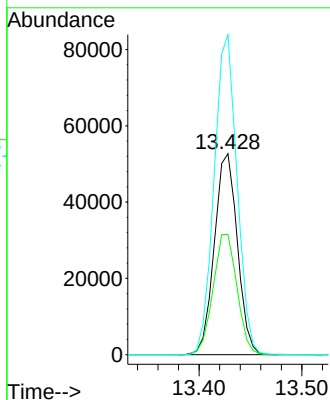
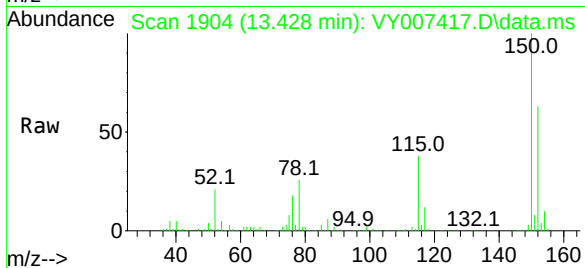




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1903  
 Delta R.T. 0.006 min  
 Lab File: VY007417.D  
 Acq: 07 Feb 2022 16:52

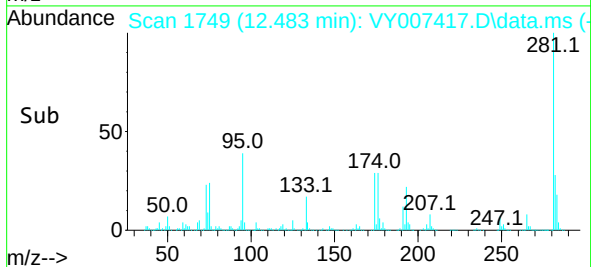
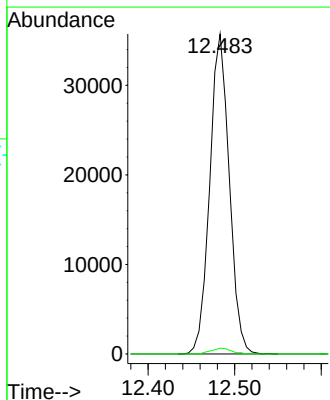
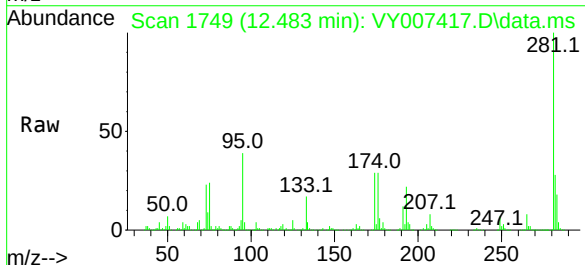
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-2

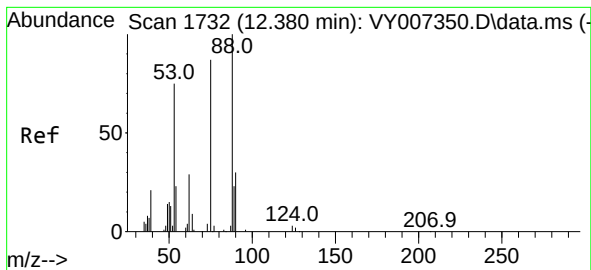
Tgt Ion:152 Resp: 82002  
 Ion Ratio Lower Upper  
 152 100  
 115 62.2 28.2 84.7  
 150 158.2 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 57.338 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY007417.D  
 Acq: 07 Feb 2022 16:52

Tgt Ion: 75 Resp: 55896  
 Ion Ratio Lower Upper  
 75 100  
 77 1.9 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 114.872 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY007417.D  
 Acq: 07 Feb 2022 16:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-2

Tgt Ion: 75 Resp: 55896  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 5.1 37.0 55.4#

